"Minutes Approved"
College of Medicine Faculty Council Meeting
Friday August 17, 2018
12 noon – 1 pm
Dowling Hall Room 2315

1. **Call to order by President Dr. Shoba Ratnam at 12:07 p.m.**
   Faculty Present: Saurabh Chattopadhay, Joan Duggan, Kate Eisenmann, Patrick Frank, Lucy Goodenday, Steven Haller, Jeff Hammersley, Wafaa Hanna, Jennifer Hipp, Marthe, Howard, Champa Jayasuriya, David Kennedy, Beata Lecka-Czernik, Joseph Margiotta, Nikolai Modyanov, Nagalakshmi Nadiminty, Jorge Ortiz, Stephanie Pannell, Shoba Ratnam, Jason Schroeder, Stan Stepkowski, Travis Taylor, Jiang Tian, Robert Trumbley, Kandace Williams, Youngsook Yoon-Krawczyk, Sadik Khuder, Puneet Sindhwani, Punit Kaur, Mohamad Movssa, Rande Worth, Obi Ekwenna

2. A motion for the approval of the June 15, 2018 COM Faculty Council minutes was approved.

3. Dean's Report: Christopher Cooper, MD: Dr. Cooper was unable to attend, *Postponed until the October meeting*

4. New Chair Introduction: Cheryl McCullumsmith, MD, PhD, Professor and Chair, Department of Psychiatry

5. Dr. Amy Thompson provided an update on leadership courses including the UT Associate to Professor Program, UT Leadership Institute, and the MAC Academic Leadership Development Program. Please see the Office of the Provost website for details: http://www.utoledo.edu/offices/provost/faculty-affairs.html. In addition, the ACE Ohio Women's network, which is dedicated to the professional advancement of women will be holding their annual conference at the University of Toledo in November of 2018. Updates will be provided via email. Please see the ACE Network website for additional information: https://www.aceohiowomen.org/plugins/content/content.php?content.116.

6. Report of the Executive Committee: Shoba Ratnam, M.D.
   The Executive Committee met Aug. 3, 2018 and the following was discussed:
   1. WebEx will now be a standard option to broadcast meetings
   2. Confirmed COM Council meeting dates for Oct. 19 and Dec. 14
   3. New Patent Technology Associate (Kashif Haque) will give an update at the Oct. 19 meeting
   4. New Chair Introductions: Dr. James Van Hook (Chair, Department of Obstetrics and Gynecology) will provide an update at the Dec. 14th meeting
   5. We will Include regular updates from the Office of Faculty Affairs and Development
   6. The Vacation policy was discussed: Dr. Joan Duggan will provide an update (please see item 8 below)

7. Update on VIVO faculty profiles database: Dr. Shobha Ratnam will provide an update. Please see associated slides that were distributed to the faculty following the Aug. 17th meeting.

7. Research Council Report: Marthe Howard, Ph.D.: No new business to report/an update will be provided at the October meeting

8. Report of the Standing Committees of the Council
   - Office of faculty affairs and development update: Joan Duggan, MD
   - The Academic Calendar is posted on the Faculty Affairs website: http://www.utoledo.edu/depts/facaffairs/medicine/
   - Grant workshop course for clinicians are scheduled to start Wed. mornings in Oct. 2018. Announcements will be sent via email.
   - The Faculty Development Series is posted on the Faculty Affairs website: http://www.utoledo.edu/depts/facaffairs/medicine/faculty-development.html, the next seminar is scheduled for Sept. 20 from 1-3pm in HEB 103
   - Faculty mixers will be held the first Friday of each month on the Main Campus in the Student Union (SU 3022), and the third Friday of each month on the HSC campus at the Radisson Hotel Faculty Club. Please see the Faculty Affairs website for details: http://www.utoledo.edu/depts/facaffairs/medicine/faculty-development.html
   - New faculty on boarding: next meeting Sept.
   - Vacation policy: The maximum accrual for payout is 352 hours regardless of hours obtained. The faculty expressed concern that scheduled vacation time is withdrawn out of the holding account as opposed to withdrawn out of time acquired for the current year. Dr. Shoba Ratnam will express our concerns with the Provost's office. We will arrange for someone from the Provosts office to explain policies at future COM Council meetings, and provide an update at the Oct. 19 COM Council meeting. The next review of the Vacation Policy is scheduled for July 19, 2021.

9. Graduate Council Report: Andrea Kalinoski, PhD: *No new business to report/an update will be provided at the October meeting.*

10. Clinical Affairs Committee Report: Shobha Ratnam, MD, PhD: *No new business to report*

11. Faculty Senate Report: David Giovannucci, PhD: *No new business to report/an update will be provided at the October meeting.*

12. Old Business:
   - Update on Faculty Compensation Plan: Bryan Pyles and Nikki Russell: *No new business to report/In the process of generating letters to faculty that will receive a bonus/incentive from the FY18 compensation plan.*
   - Update on New Medical School Curriculum: Shirley Bodi, MD: *No new business to report/an update will be provided at the October meeting.*

13. New Business
   - Dr. Hammersley expressed concerns with the quality of teaching for medical students and residents at the Toledo Hospital

14. The meeting was adjourned at 1:05pm

THE UNIVERSITY OF TOLEDO
1872

AGENDA

1. Context
2. Overview of Solutions & Examples
3. Live Demo

InCites Benchmarking & Analytics
Evaluate Research using Accurate Metrics

VIVO Researcher Profiles
Promote Scholarship, Expertise, and Collaboration

Data Integration with Faculty 180
Populate Faculty Profiles w/ Complete Publication Data

PRESENTERS

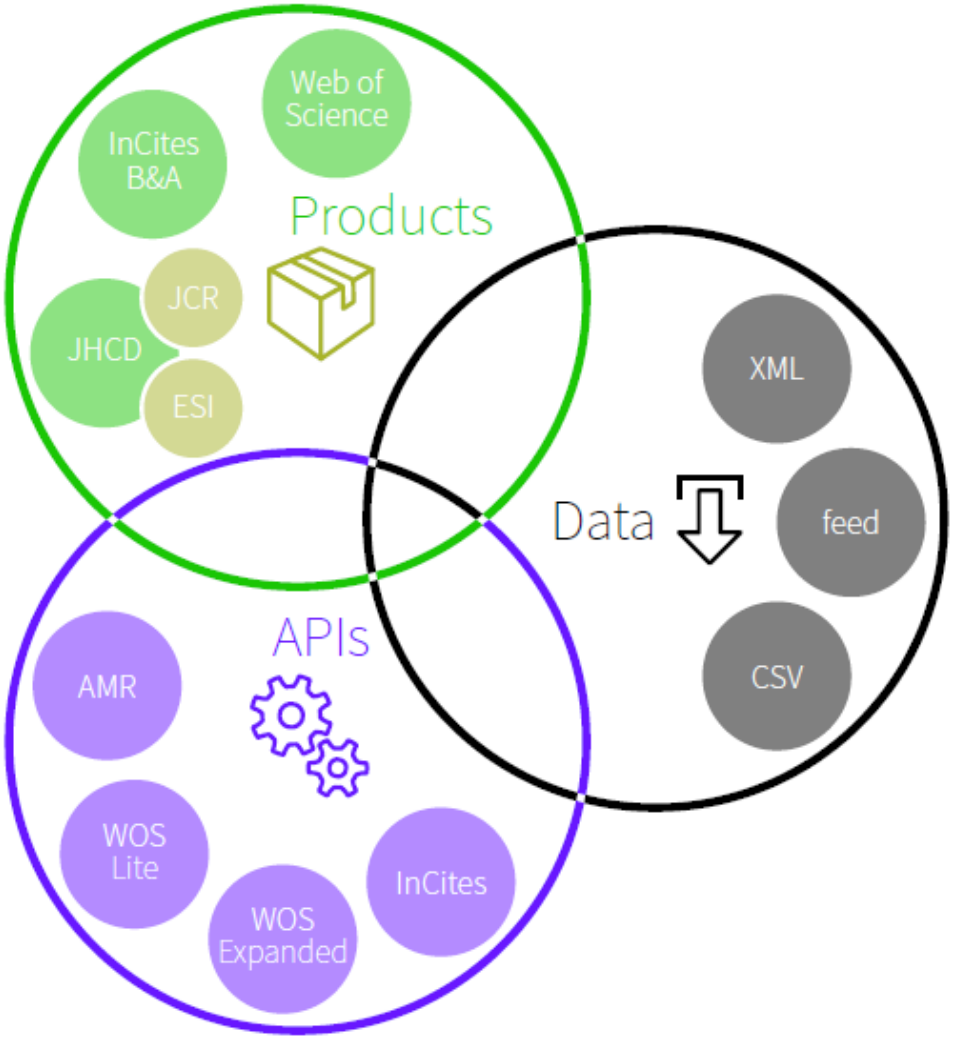
Ankit Patel, Business Development
Tim Otto, Business Development

Clarivate Analytics

Research Analytics — Our Solutions

Products
for end-user analyses and reporting

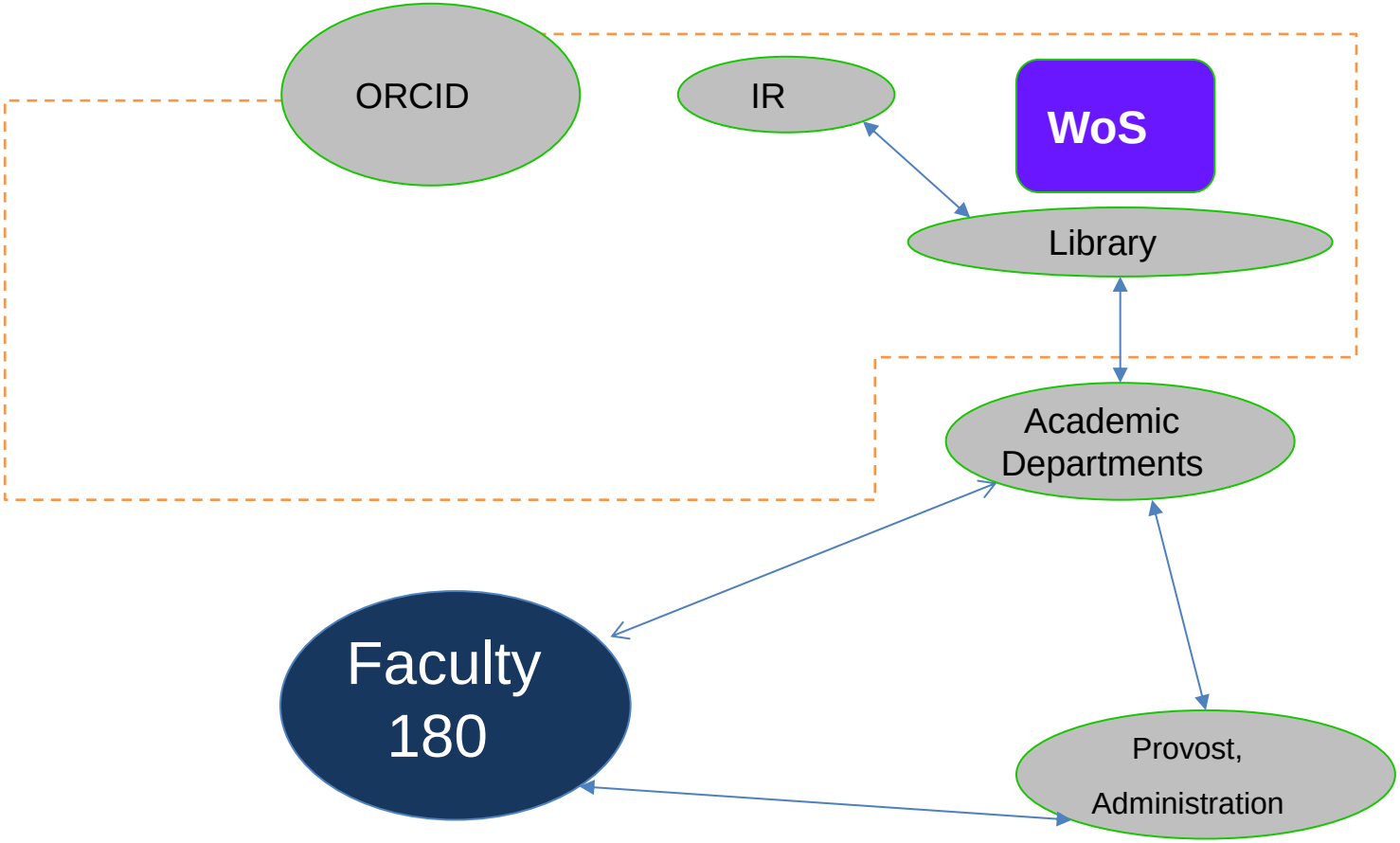
APIs
for integration of our data into other systems



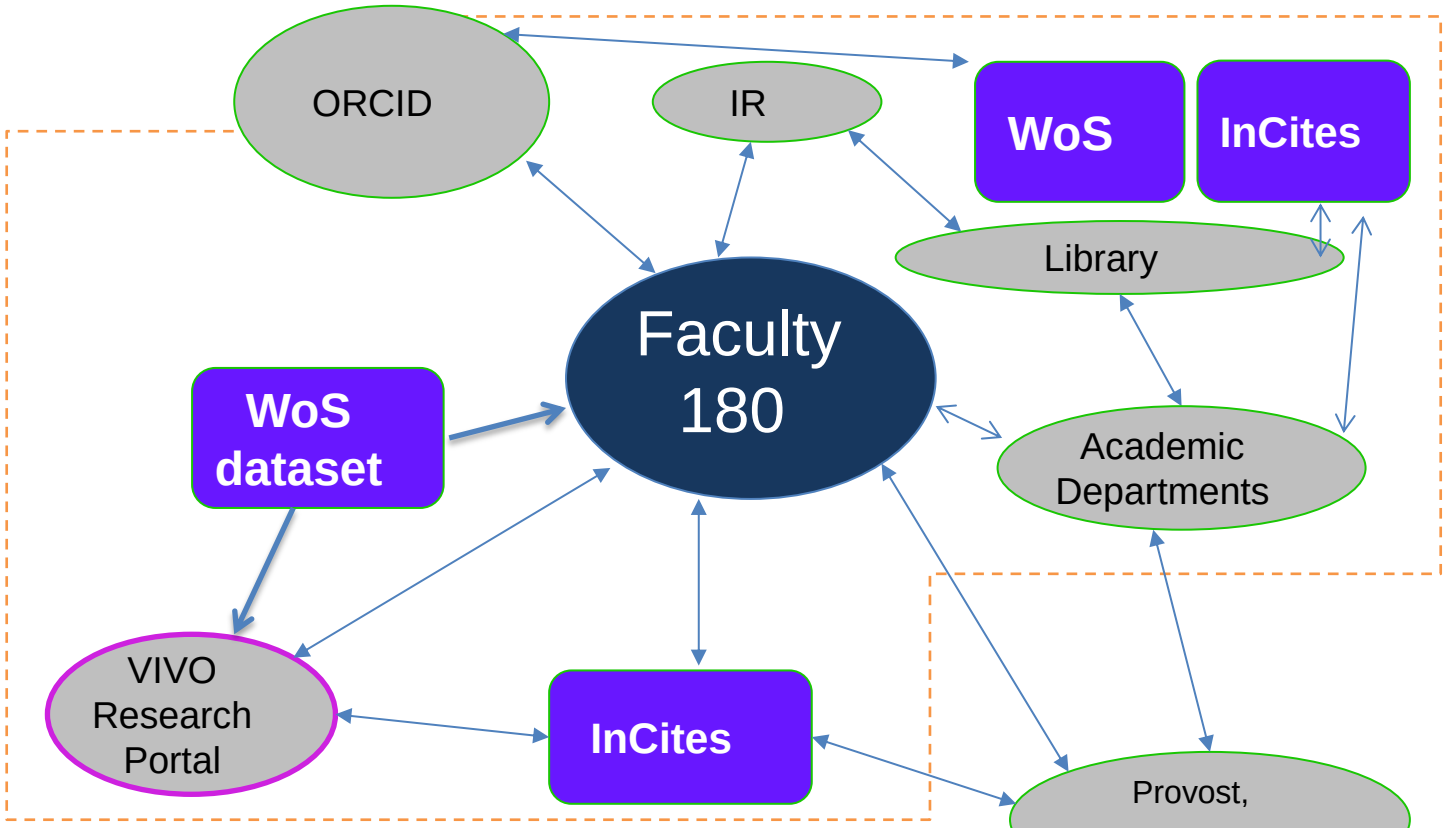
Custom data
for external analyses, integration into other systems and larger analyses

And we can further enrich with professional services

THE SCHOLARLY ECOSYSTEM



THE SCHOLARLY ECOSYSTEM



InCites Benchmarking & Analytics
Evaluate Research using Accurate Metrics

VIVO Researcher Profiles ***(WOS Dataset)***
Promote Scholarship, Expertise, and Collaboration

Data Integration with Faculty 180 ***(WOS Dataset & APIs)***
Populate Faculty Profiles w/ Complete Publication Data

InCites is a single environment for research and bibliometric assessment and evaluation to better support your long term vision and keep you informed of the latest trends with a multifaceted analytics view.

Clarivate Analytics

InCites Benchmarking & Analytics Enables Organizations...

Understand: Wider View of Research Landscape

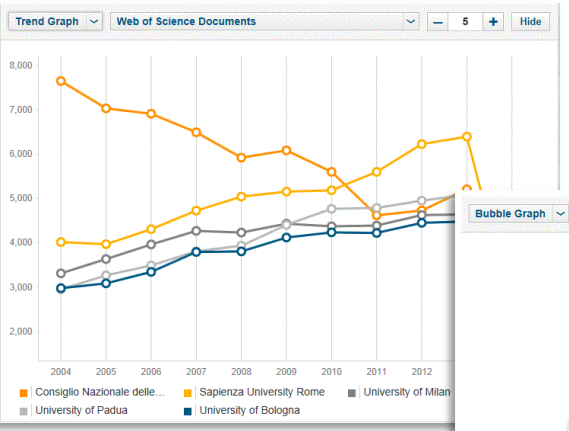
Support: Strategic Planning/ Publishing/ Funding

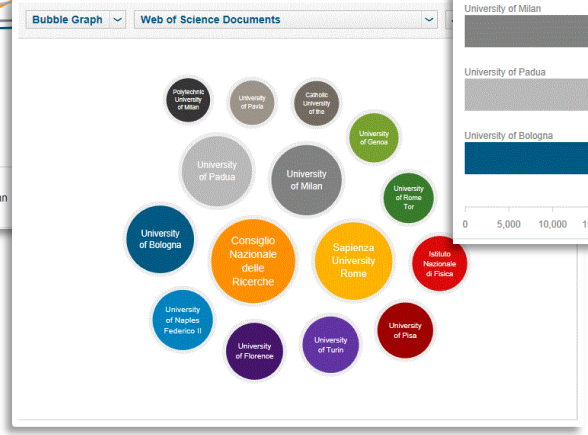
Monitor: Peer & Aspirational Peer Comparison

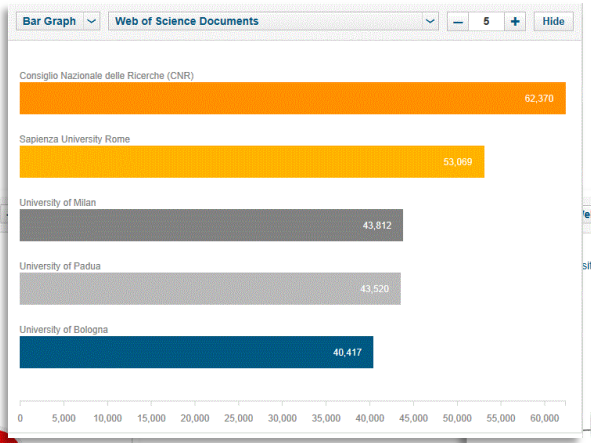
Identify: Recruit, Identify Experts & Promising Authors for Collaboration

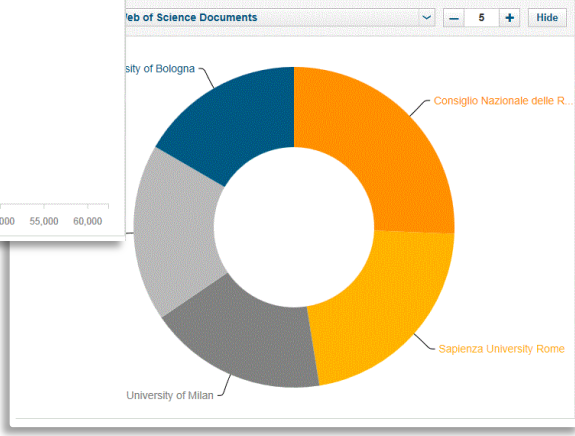
Manage information: Build/Enrich internal system with metrics

Demonstrate: Production and sharing of reports



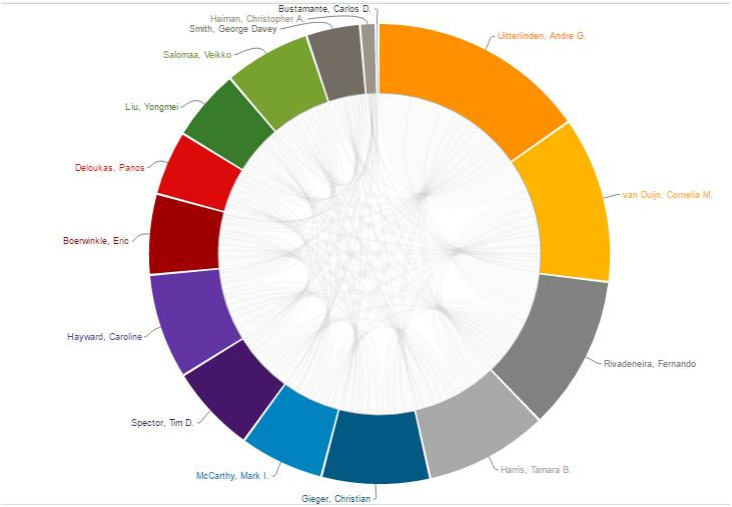






InCites Benchmarking & Analytics offers value-added assessments, visualization, and data beyond the Web of Science platform:

- InCites Unified Data Model aggregated by the Research Analytics Integrated Metrics System putting citations into context at the category and journal level

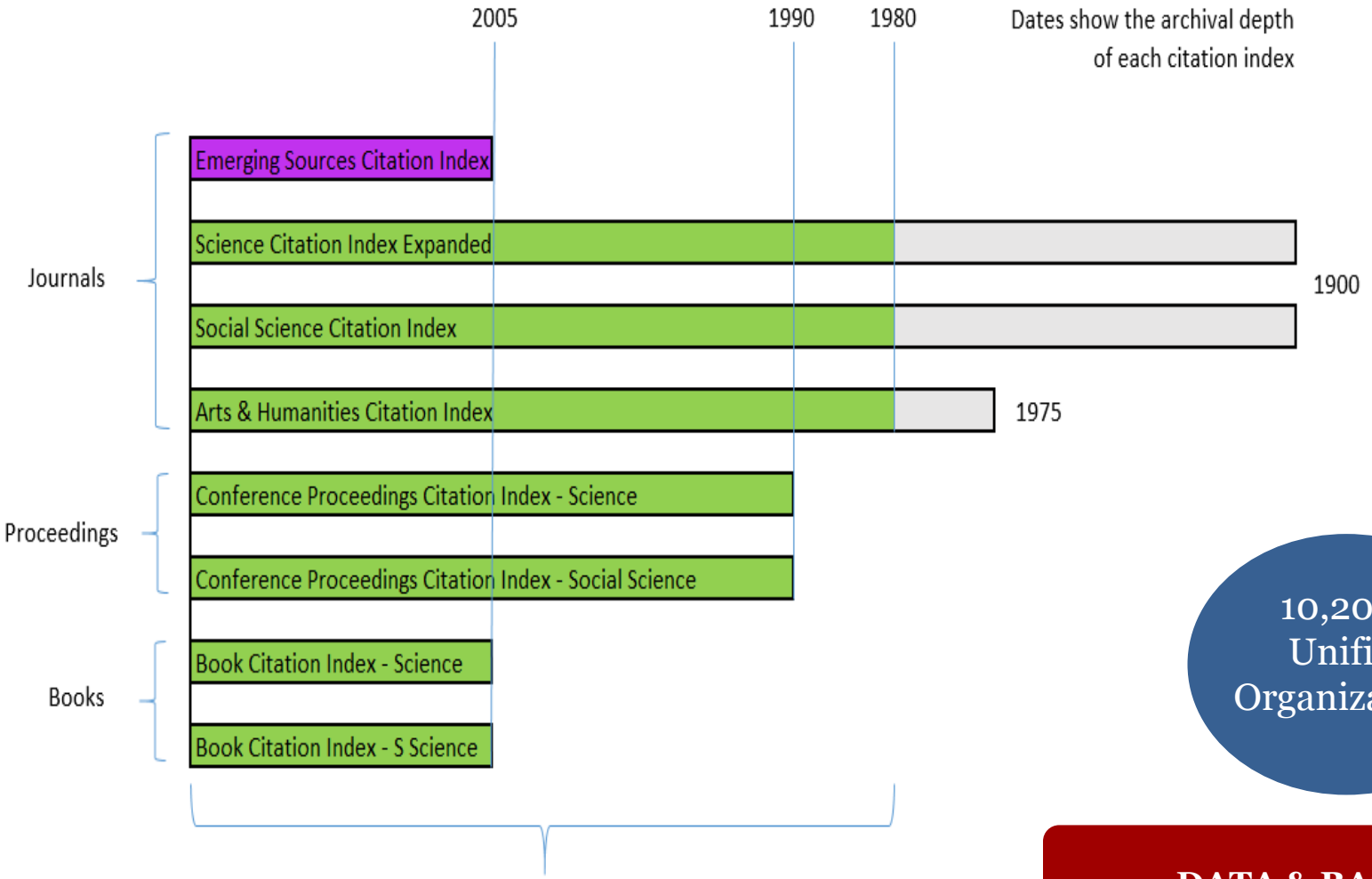


- Instantly anayze over +35 years of journals with various levels of bibliometrics, drilling down to the article-level to compare determine the most impactful articles within your journal

- Utilize built-in filters, tags, and thresholds not found within Web of Science and optimized within the InCites system such as

  - org-entity type
  - region type & location
  - # of authors
  - Journal quartiles
  - multiple subject-level schemas
  - author-org affiliation linking
  - unified funder (funded vs. published)
  - Publisher / Funder filter

InCites Dataset: Delivering metrics based on Web of Science Core Collection



Web of Science Core Collection content analysed in InCites from 1980 to date. Data is refreshed on a monthly basis against annual baselines.

10,200+ Unified Organizations

DATA & BASELINES UPDATED MONTHLY

WEB OF SCIENCE CORE COLLECTION
Unification of Organization Variants = Clean Data

Number of Organizations Unified: +10,200 (As of June 2018)

DETAILS

KEY: Add = add to query

Organization Name:	Add	**UNIVERSITY OF TOLEDO**
Other Names:		UNIVERSITY OF TOLEDO; UNIV TOLEDO
Address:		2801 W BANCROFT ,TOLEDO, OHIO, UNITED STATES ,43606-3390
Website:		www.utoledo.edu/
Name Variants:	Add	CHERIAN VERGHESE UNIV TOLEDO
	Add	COLL EDUC UNIV TOLEDO
	Add	FAC UNIV TOLEDO
	Add	HOSP UNIV TOLEDO
	Add	MED COLL OHIO
	Add	MED UNIV TOLEDO
	Add	MS 607 UNIV TOLEDO
	Add	OHIO MED UNIV
	Add	TOLEDO STATE UNIV
	Add	TOLEDO UNIV
	Add	U TOLEDO COLL MED LIFE SCI
	Add	U TOLEDO COLL MED LIFE SCIENCESL
	Add	UNIV COLL TOLEDO
	Add	UNIV TOLEDO
	Add	UNIV TOLEDO 43606
	Add	UNIV TOLEDO ANESTHESIOL
	Add	UNIV TOLEDO CARDIOL
	Add	UNIV TOLEDO COLL
	Add	UNIV TOLEDO COLL LAW
	Add	UNIV TOLEDO COLL MED
	Add	UNIV TOLEDO COLL PHARM
	Add	UNIV TOLEDO COM
	Add	UNIV TOLEDO FAMILY MED RESIDENCY
	Add	UNIV TOLEDO HSC

Author Information

Reprint Address: Valent, AM (reprint author)

+ Oregon Hlth & Sci Univ, Dept Obstet & Gynecol, 3181 SW Sam Jackson Pk Rd,Mail Code L-458, Portland, OR 97239 USA.

Addresses:

+ [1] Oregon Hlth & Sci Univ, Dept Obstet & Gynecol, 3181 SW Sam Jackson Pk Rd,Mail Code L-458, Portland, OR 97239 USA
+ [2] Univ Pittsburgh, Dept Obstet Gynecol & Reprod Sci, Pittsburgh, PA USA
[3] Eastern Virginia Med Sch, Dept Obstet & Gynecol, Norfolk, VA 23501 USA
[4] Baptist Hlth Syst, Dept Obstet & Gynecol, Flowood, MS USA
+ [5] Univ Arkansas Med Sci, Dept Obstet & Gynecol, Little Rock, AR 72205 USA
+ [6] Univ Tennessee, Med Ctr, Dept Obstet & Gynecol, Knoxville, TN USA
+ [7] Univ S Alabama, Dept Obstet & Gynecol, Mobile, AL USA
+ [8] Baylor Coll Med, Dept Obstet & Gynecol, San Antonio, TX USA
+ [9] Louisiana State Univ, Hlth Sci Ctr, Dept Obstet & Gynecol, Shreveport, LA 71105 USA
+ [10] Univ Texas Hlth Sci Ctr Houston, Dept Obstet Gynecol & Reprod Sci, Houston, TX 77030 USA
– [11] Univ Toledo, Dept Obstet & Gynecol, 2801 W Bancroft St, Toledo, OH 43606 USA
Organization-Enhanced Name(s)
University of Toledo

E-mail Addresses: valent@ohsu.edu

Unification rules are built and we welcome institutional feedback to augment and edit the definitions

Clarivate Analytics

WEB OF SCIENCE CORE COLLECTION

Cover to Cover Indexing capturing all author names and affiliations = Clean Data

Web of Science

Search | Search Results

Full Text Options | Save to EndNote online | Add to Marked List

Pyelonephritis in Pregnancy: Prediction of Prolonged Hospitalization and Maternal Morbidity using Prognostic Scoring Systems

By: Valent, AM (Valent, Amy M.)[1] ; Peticca, K (Peticca, Katie)[2] ; DiMatteo, A (DiMatteo, Alexandra)[3] ; Banks, S (Banks, Shimeka)[4] ; Shah, R (Shah, Ronak)[5] ; Chernicky, L (Chernicky, Lindsey)[6] ; Weitz, B (Weitz, Beth)[6] ; Armistead, C (Armistead, Casey)[7] ; Hill, J (Hill, James)[8] ; Towers, C (Towers, Craig)[6] ; Lewis, D (Lewis, David)[9] ; Magann, EF (Magann, Everett F.)[5] ; Chauhan, SP (Chauhan, Suneet P.)[10] ; Van Hook, JW (Van Hook, James W.)[11] ...Less

AMERICAN JOURNAL OF PERINATOLOGY
Volume: 34 **Issue:** 12 **Pages:** 1212-1218
DOI: 10.1055/s-0037-1602418
Published: OCT 2017
View Journal Impact

Conference
Conference: 82nd Annual Meeting of the Central-Association-of-Obstetricians-and-Gynecologists
Location: Charleston, SC
Date: OCT 21-24, 2015
Sponsor(s): Cent Assoc Obstetricians & Gynecologists

Author Information
Reprint Address: Valent, AM (reprint author)
+ Oregon Hlth & Sci Univ, Dept Obstet & Gynecol, 3181 SW Sam Jackson Pk Rd,Mail Code L-458, Portland, OR 97239 USA.
Addresses:
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+ [10] Univ Texas Hlth Sci Ctr Houston, Dept Obstet Gynecol & Reprod Sci, Houston, TX 77030 USA
− [11] Univ Toledo, Dept Obstet & Gynecol, 2801 W Bancroft St, Toledo, OH 43606 USA
Organization-Enhanced Name(s)
University of Toledo
E-mail Addresses: valent@ohsu.edu

James W. Van Hook, M.D.
Professor & Chair
Department of Obstetrics and Gynecology

Clarivate Analytics

Putting Citations into Context

Citation rates vary among fields. What is good or average in mathematics is very different from what is good or average in biochemistry.

23.3 cites/paper
H-index: 13

14.5 cites/paper
H-index: 7

9.8 cites/paper
H-index: 7

4.2 cites/paper
H-index: 3

How "good" is this? What is the context?

Clarivate Analytics

Wide Range of Indicators & Metrics

Article-level Metrics

Article Title	Authors	Source	Volume	Issue	Pages	Publication Date	Times Cited	Journal Expected Citations	Category Expected Citations	Journal Normalized Citation Impact	Category Normalized Citation Impact	Percentile in Subject Area
Recommendations for chamber quantification: A report from the American Society of Echocardiography's guidelines and standards committee and the chamber quantification writing group, developed in conjunction with the European Association of Echocardiography, a branch of the European Society of Cardiology	Lang, RM; Bierig, M; Devereux, RB; Flachskampf, FA; Foster, E	JOURNAL OF THE AMERICAN SOCIETY OF ECHOCARDIOGRAPHY	18	12	1440-1463	2005	5,560	1,124	64.89	4.95	85.69	0.09

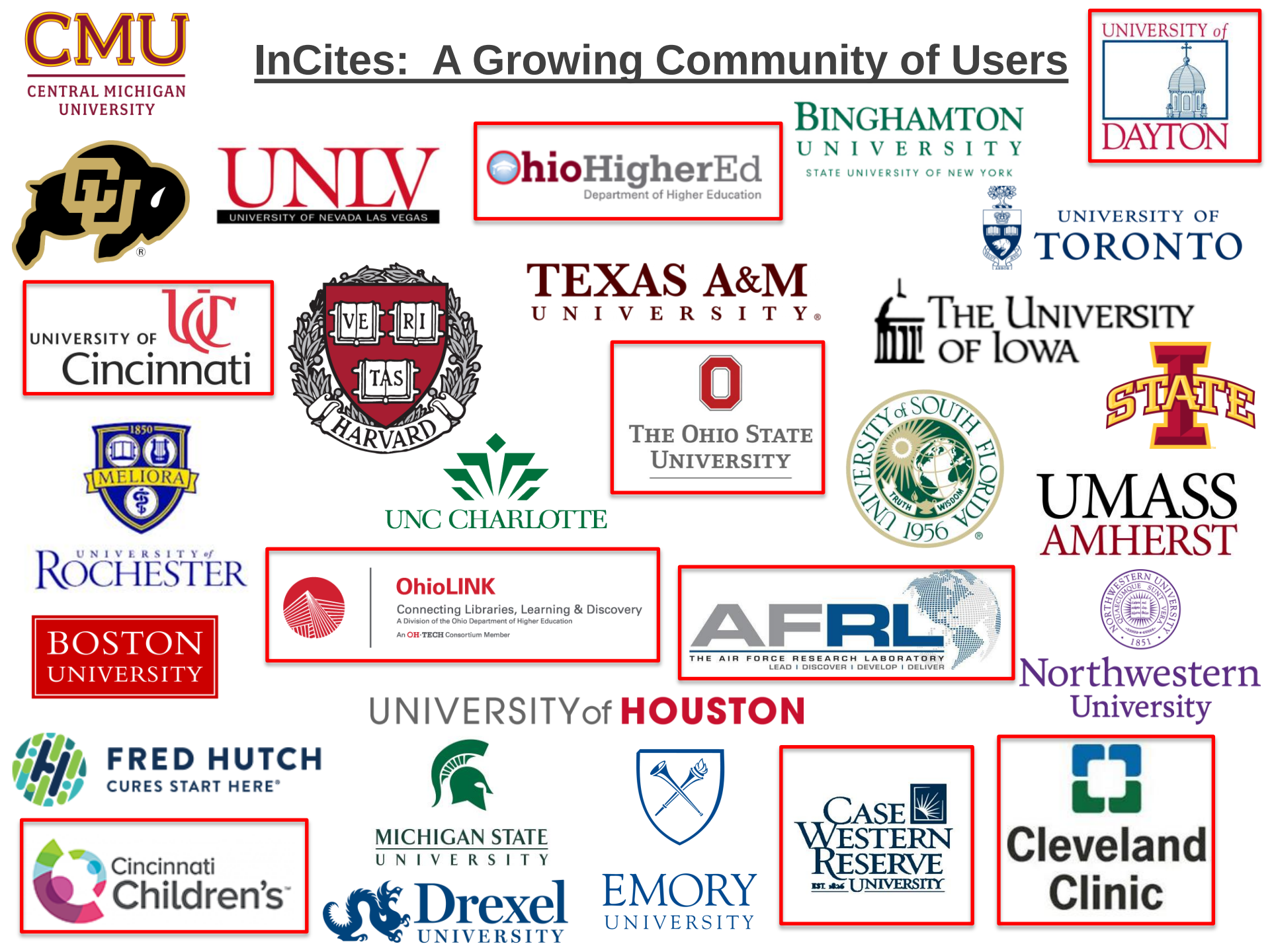
Author, Group, Discipline, & Institutional

Name	Rank	Affiliation	▼ Web of Science Documents	Category Normalized Citation Impact	Times Cited	h-index	% Docs Cited	Citation Impact	International Collaborations	Average Percentile
Morley, John E.	1	Saint Louis University	111	5.72	1,773	22	81.98%	15.97	40	29.41
Vaughn, Michael G.	2	Saint Louis University	93	2.3	455	11	76.34%	4.89	12	42.27
Lentine, Krista L.	3	Saint Louis University	49	1.76	245	10	71.43%	5	20	46.05
Di Bisceglie, Adrian M.	4	Saint Louis University	47	10.85	1,081	12	68.09%	23	21	45.01

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
	Name	Rank	Affiliation	Web of Science Documents	Category Normalized Citation Impact	Times Cited	h-index	% Docs Cited	Citation Impact	International Collaborations	Average Percentile	% Documents in Top 1%	% Documents in Top 10%	Journal Normalized Citation Impact	% Highly Cited Papers	Highly Cited Papers	% Hot Papers	% International Collaborations	% Industry Collaborations	Impact Relative to World	Documents Cited
1	Morley, John E.	1	Saint Louis University	111	5.72	1773	22	81.98	15.97	40	29.41	18.92	54.05	2.4	6.31	7	0	36.04	1.8	5.042	91
2	Vaughn, Michael G.	2	Saint Louis University	93	2.3	455	11	76.34	4.89	12	42.27	4.3	24.73	1.83	2.15	2	0	12.9	0	1.544	71
3	Lentine, Krista L.	3	Saint Louis University	49	1.76	245	10	71.43	5	20	46.05	2.04	20.41	1.02	2.04	1	0	40.82	0	1.578	35
4	Di Bisceglie, Adrian M.	4	Saint Louis University	47	10.85	1081	12	68.09	23	21	45.01	23.4	40.43	3.78	10.64	5	2.13	44.68	2.13	7.26	32

Expand Formula Bar (Ctrl+S

InCites: A Growing Community of Users



THE OHIO STATE UNIVERSITY

- Main Users: Global Affairs, Innovation Office and Library
- Detailed Indexing to find all potential collaborations
- Explore Regions to see emerging research trends
- Discover funding bodies working and supplying funded research in emerging economies
- Easily navigate to evaluate collaborations for internal productivity + external partnerships with corporations, countries, regions, etc.
- Visualizations to easily picture global footprint and impact

Clarivate Analytics

- Main Users: Library, Institutional Research, Research Office, and Provost
- Expand and strengthen campus partnerships
- Navigate and tell the research story for impact, normalization, and nuances
- Support program assessment and accreditation reporting
- Improve library collections and enhance access for researchers
- Identify current and prospective collaborations (city, state, national)
- Ability to measure impact from grants awarded from multiple funding agencies – ex. USDA

USF
UNIVERSITY OF SOUTH FLORIDA

- Main Users: Global Affairs, Provost, Research Office and Library
- Track number of Collaborations both internally & externally, as well as explore normalized impact within geographic regions
- Recruitment & Key Expert Finder
- Identify potential partnerships: Industry, Globally, etc.
- Produce metrics and reports to support strategic planning, annual reports, & program review

Clarivate Analytics

EMORY
UNIVERSITY

- Main Users: Research Office, School of Medicine, & Library
- Comparisons over time and trend analysis (disciplines, departments, etc.)
- Analyze Top Journals published by authors; compare by # of documents and highest impact factor (include normalized journal impact for contextual comparisons)
- Evaluate Top Research Areas by output and normalized impact
- Dashboard of Top Mentors by impact and productivity
- Explore emerging research trends & key experts through custom dataset creation (WOS>InCites)
- Track impact metrics of publications and collaborations for Program Review
- Support grant submissions & renewal applications

Clarivate
Analytics

Multifaceted APIs

Integration of Clarivate Analytics Data and Content into internal systems and applications

Web of Science data in institutional repositories, research information systems, and VIVO

Clarivate Analytics

Web of Science APIs: Basic vs. Expanded

Basic

- UID (Unique Identifier)
- Title
- Issue
- Pages
- Publication Date
- DOI
- Source
- Volume
- Authors
- Author Keywords
- ISBN
- ISSN

Expanded

- **Abstract**
- Article Number
- **Author Address/Affiliation**
- **Author Order Number**
- Book Author
- Book Chapter Count
- Book DOI
- Book Group Author
- Book Series
- Cited References
- Conference Date
- Conference Location
- Conference Sponsor
- Conference Title
- Document Type
- Editor
- E-mail Addresses
- **Funding**
- Group Author
- IDS Number
- Keywords Plus
- Language
- Meeting Abstract Number
- **ORCID ID**
- **Organization Enhanced**
- Part Number
- Publisher
- Related Records
- Reprint Address
- Reprint Author
- ResearcherID Number
- Special Issue
- Subject Category
- Supplement

Clarivate Analytics

InCites API

InCites Metadata Fields
UID (Unique Identifier
Times Cited
Document Type
Journal Impact Factor
Journal Expected Citations
Journal Normalized Citation Impact
Category Expected Citations
Percentile
Category Normalized Citation Impact
ESI Most Cited Flag
ESI Hot Paper Flag
International Collaboration (Yes/No)
Institutional Collaboration (Yes/No)
Industry Collaboration (Yes/No)
Open Access Flag

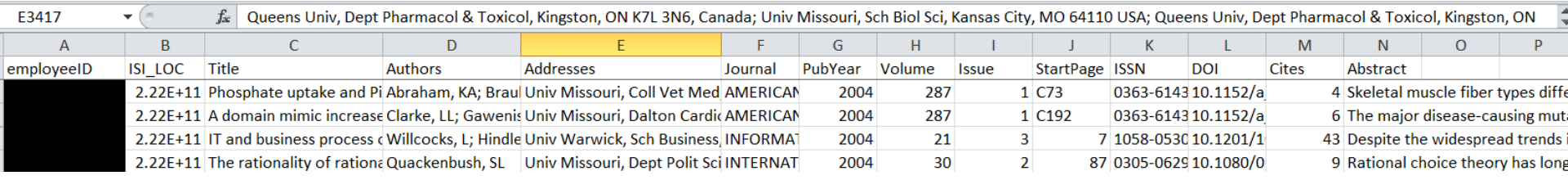
InCites Benchmarking & Analytics is included with the Web of Science Expanded API.

- InCites metrics provide context for citation counts at the article level.
  - Benchmark your performance against world averages.
  - Make accurate, “apples to apples” comparisons between research in different fields.
- The bolded fields at left can be shared publicly in your research portal.
- See the InCites Indicators Handbook for a description of each metric.

Clarivate Analytics

Custom Data Extractions from Clarivate Analytics

- Example: Custom Faculty Data File extraction for data integration / pre-population of Web of Science Data into FAR system.
- Author Disambiguated process to provide clean profile data for scholarly works from WOS Core Collection.
- Typical Delivery in 4-6 weeks



E3417 | Queens Univ, Dept Pharmacol & Toxicol, Kingston, ON K7L 3N6, Canada; Univ Missouri, Sch Biol Sci, Kansas City, MO 64110 USA; Queens Univ, Dept Pharmacol & Toxicol, Kingston, ON

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
employeeID	ISI_LOC	Title	Authors	Addresses	Journal	PubYear	Volume	Issue	StartPage	ISSN	DOI	Cites	Abstract		
[redacted]	2.22E+11	Phosphate uptake and Pi	Abraham, KA; Braul	Univ Missouri, Coll Vet Med	AMERICAN	2004	287	1	C73	0363-6143	10.1152/a	4	Skeletal muscle fiber types diffe		
	2.22E+11	A domain mimic increase	Clarke, LL; Gawenis	Univ Missouri, Dalton Cardi	AMERICAN	2004	287	1	C192	0363-6143	10.1152/a	6	The major disease-causing muta		
	2.22E+11	IT and business process c	Willcocks, L; Hindle	Univ Warwick, Sch Business,	INFORMAT	2004	21	3	7	1058-0530	10.1201/1	43	Despite the widespread trends i		
	2.22E+11	The rationality of rationa	Quackenbush, SL	Univ Missouri, Dept Polit Sci	INTERNAT	2004	30	2	87	0305-0629	10.1080/0	9	Rational choice theory has long		

Clarivate Analytics

Disambiguated author data file

Benefits

- **Ease of use:** We do the disambiguation work for you. File can be delivered in many formats (XML, CSV, TXT, etc.)
- **Speed:** Delivery in about 2-4 weeks from contract execution and reduce admin burden of faculty to enter tedious publication fields and metadata. Increase adoption and move up go-live date.

Potential Drawback

- **One-time project**: Updates (adding additional publications) can be scheduled, but incur additional cost & delay (…if WOS Premium APIs or other data integration tools are not available).

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Data delivery vs. APIs

Our APIs may be preferable when:

- ✓ Real-time updates are required
- ✓ The data you need change frequently

Data delivery may be preferable when:

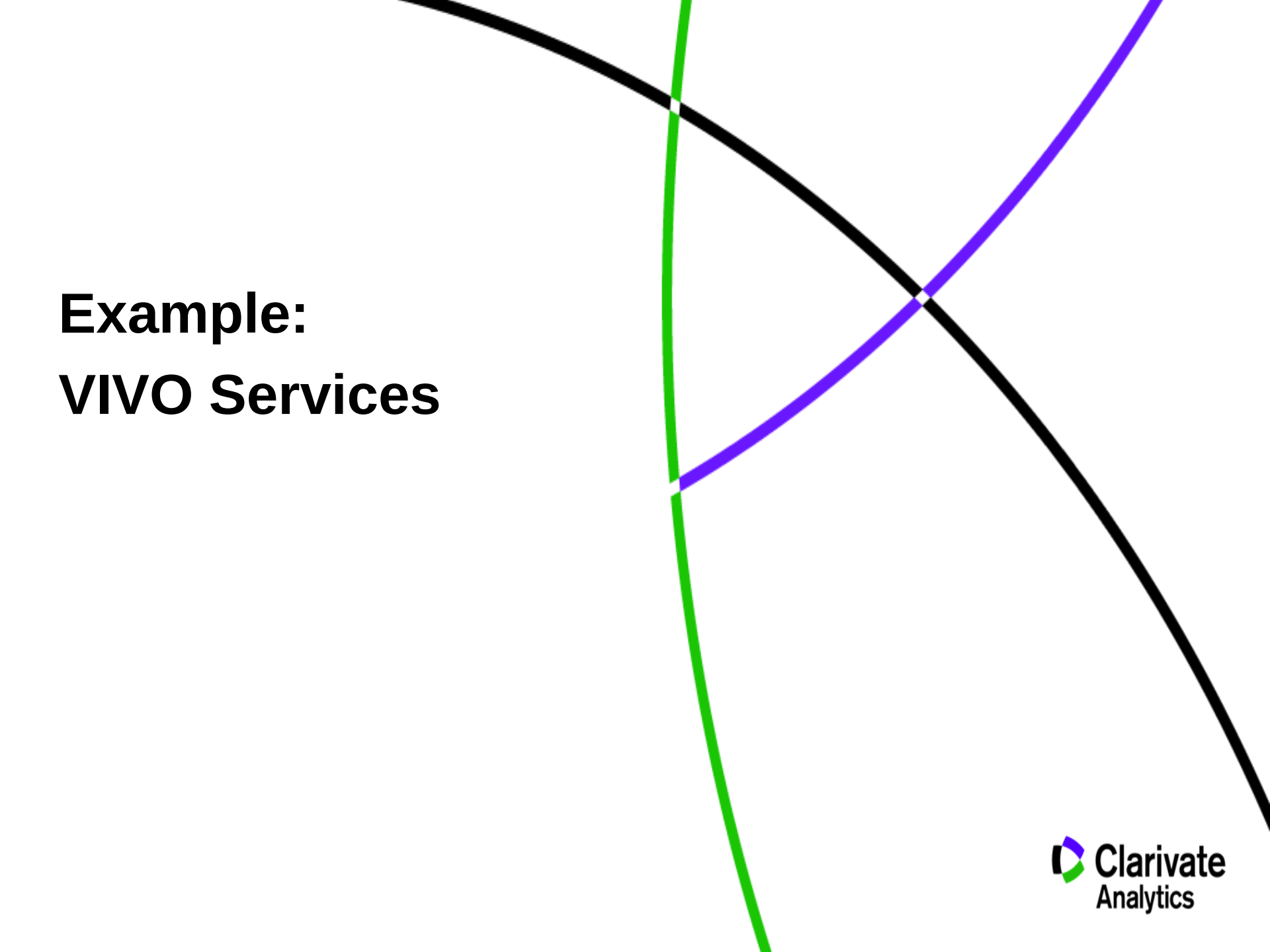
- ✓ The amount of data is very large
- ✓ The data you need do not change frequently
- ✓ Real-time updates are not needed

Clarivate Analytics

Live Demo

Clarivate Analytics

Example:
VIVO Services



Clarivate
Analytics

https://experts.toledo.edu

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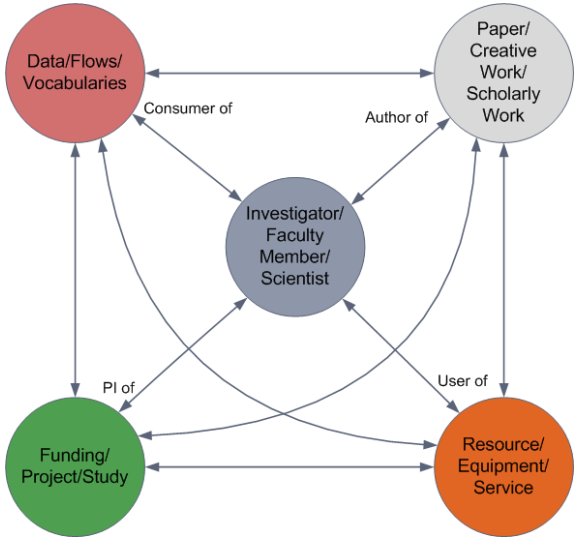
What is VIVO?

VIVO is an open source web application and information model for representing scholarship and supporting research discovery.

"VIVO creates a **connected, integrated record of** the **scholarly work** of your institution, ready for **reporting**, **visualization**, and **analysis**."

Open Source	Open Community	Open Data
VIVO, and all VIVO components are provided as open source. Download at GitHub	The VIVO community is open to everyone. You can follow the work of VIVO at the VIVO wiki.	VIVO produces Linked Open Data which is easily shared and combined across VIVO sites.



- Rich data model focusing on relationships and establishing links
- Shared across organizations
- Captures all phases of research
- Open network of information

List of VIVO users

Clarivate Analytics

Clarivate Engagement with the VIVO Community

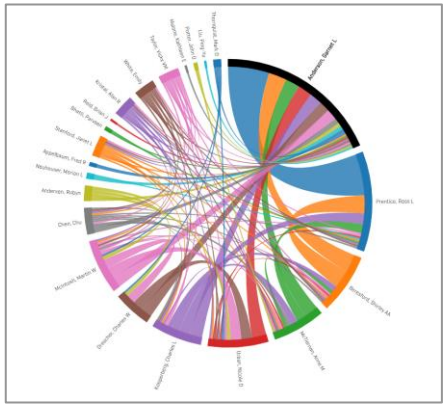
- Clarivate Analytics is a Duraspace Registered Service Provider for VIVO

- Corporate sponsor of the VIVO project and annual conference
- Member of VIVO leadership board.
- VIVO committer and active contributor

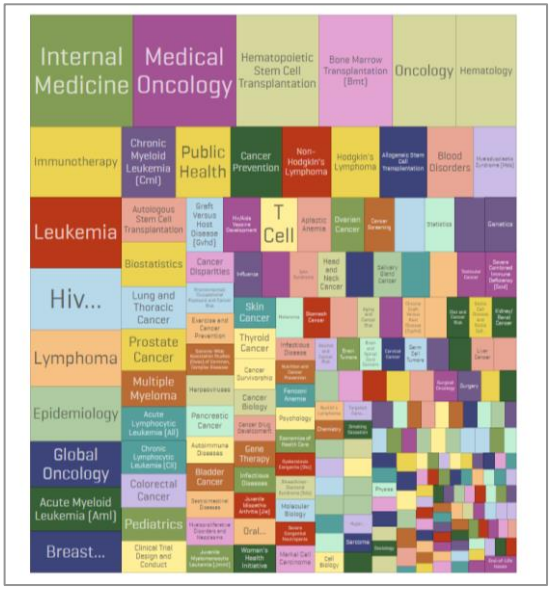
Example: Fred Hutchinson Cancer Center

Converis with VIVO and implementation services

FRED HUTCH
CURES START HERE®



Local Co-author Network



Explore areas of expertise

Anderson, Garnet L | PhD

Current Appointments & Affiliations

faculty administrative position

Senior Vice President and Director, Public Health Sciences Division , Fred Hutchinson Cancer Research Center 2013-01-01 -

Associate Director for Cancer Control and Prevention, SWOG Statistical Center , Cancer Prevention Program 2008-01-01 -

Associate Director, SWOG Statistical Center , Cancer Prevention Program

faculty

Principal Investigator, WHI Clinical Coordinating Center , Cancer Prevention Program 2011-01-01 -

Member, Biostatistics and Biomathematics Program , Public Health Sciences Division 2002-01-01 -

Member, Cancer Prevention Program , Public Health Sciences Division 2002-01-01 -

Affiliate Professor, Biostatistics , University of Washington School of Public Health 2005-01-01 -

Affiliate Professor, Biostatistics , University of Washington School of Public Health

endowed chair

Fred Hutch 40th Anniversary Endowed Chair, Fred Hutchinson Cancer Research Center 2016-06-10 -

Garnet L Anderson
(206) 667-4699
garnet@whi.org
0000-0001-5087-7837

Local Co-author Network

Expertise

Biomarkers | Biostatistics | Cancer Prevention | Clinical Trial Design and Conduct | Ovarian Cancer | Public Health | Women's Health Initiative

Publications | News | Education & Training | Expertise & Interests | Activities & Awards | Trials & Studies | Videos | Teaching & Lectures | Past Positions | View All

Assessing Lead Time of Selected Ovarian Cancer Biomarkers: A Nested Case-Control Study. 2010

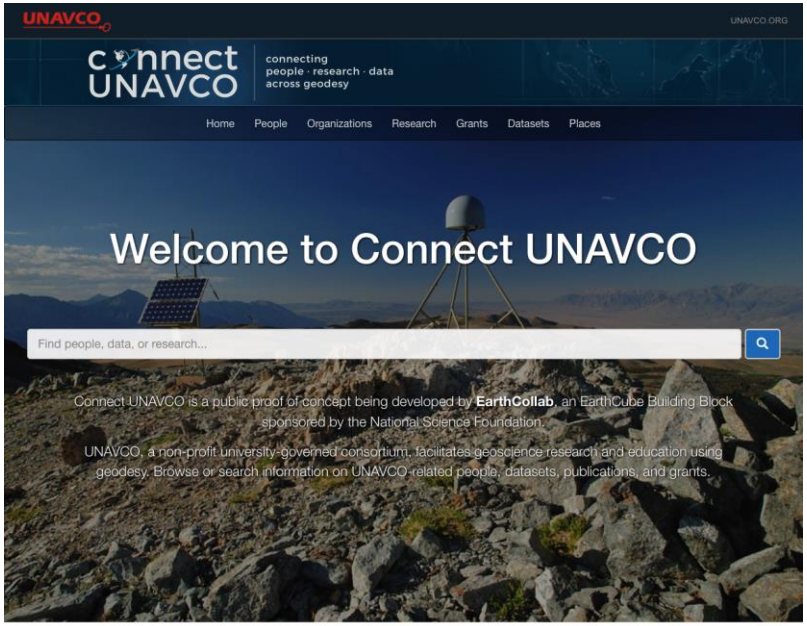
Anderson GL, McIntosh M, Wu LL, Barnett M, Goodman ...
Journal of the National Cancer Institute. 102, 1. p. 26-38.

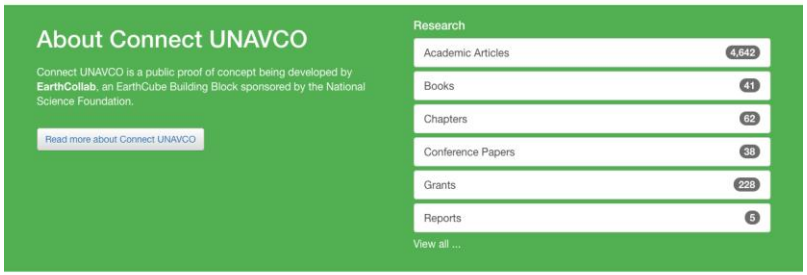
Full Text via DOI: 10.1093/jnci/djp438 PMID: 20042715 Web of Science: 000273500400007

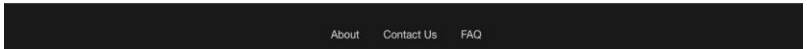
[Project poster from 2016 VIVO Conference]

Clarivate Analytics

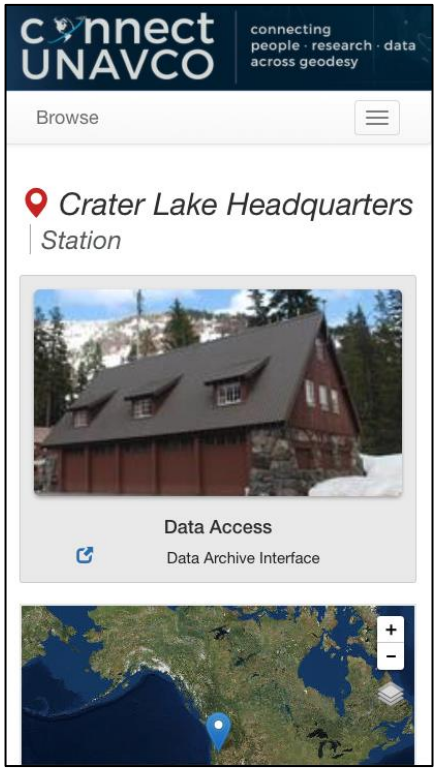
Example: Connect UNAVCO

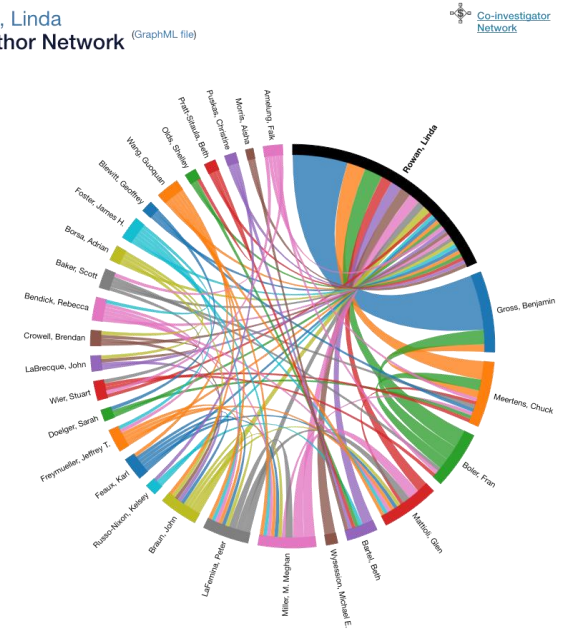






Connect UNAVCO – connecting people, research, and data across geodesy





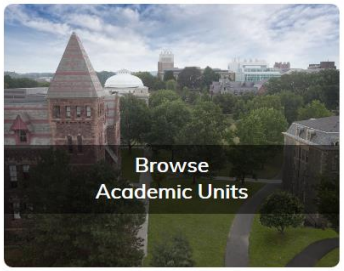
https://connect.unavco.org

Clarivate Analytics

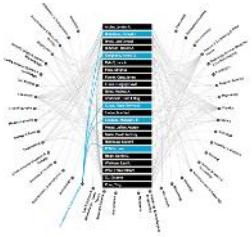
Example: Cornell University Library announces launch of Scholars@Cornell

https://scholars.cornell.edu/

Scholars@Cornell - a new data and visualization service for exploring Cornell research from the standpoint of the scholarly record.



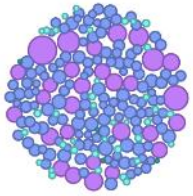
Scholars@Cornell provides a knowledge network with interactive visualizations for exploring faculty, academic units, and scholarly outputs. It uses data feeds of publications, grants, and academic affiliations, and provides quality control from both automated routines and data curation partners.



Research Interests

Keyword Clouds

Global Collaborations



Grants and Contracts

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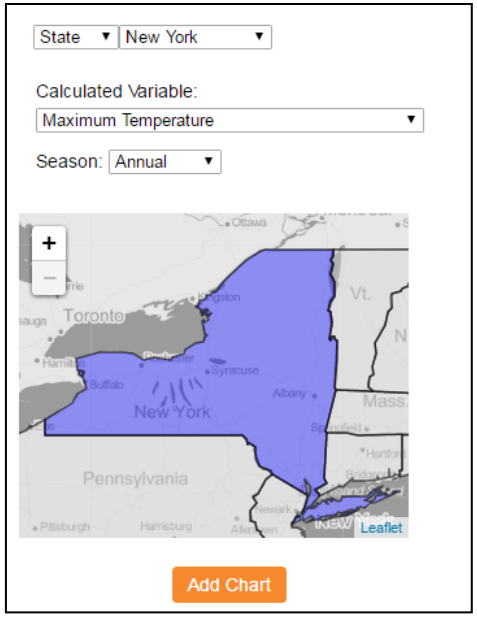
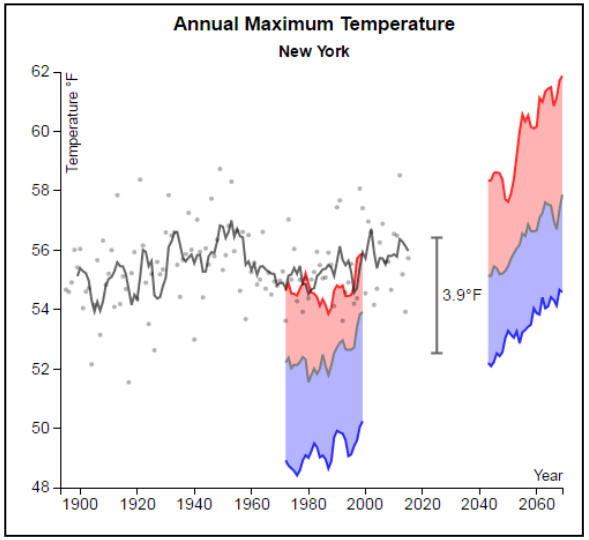
Example: Custom Interface – NY Climate Change Science Clearinghouse

https://www.nyclimatescience.org/





Commercial Offering

InCites Benchmarking & Analytics
Evaluate Research using Accurate Metrics

VIVO Researcher Profiles
Promote Scholarship, Expertise, and Collaboration

Data Integration with Faculty 180
Populate Faculty Profiles w/ Complete Publication Data

Clarivate Analytics

InCites Benchmarking & Analytics – $31,750

Research Impact Analysis & Visualization

- Which academic, government and industry groups produce the most impactful work in my specialty?
- Where are the centers of excellence in a particular region?
- Which organizations produce the hottest research? Who is funding the hottest research?

Assessment & Reporting

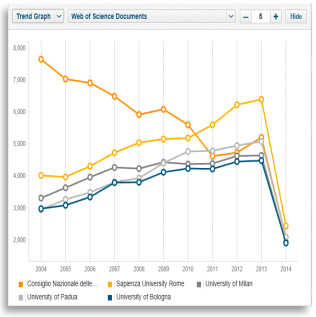
- Which authors have produced the most impactful work?
- Who are the high-impact authors in a particular region?

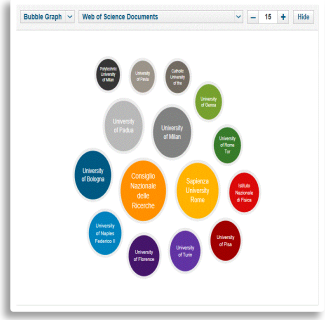
Research Funding Analysis & Visualization

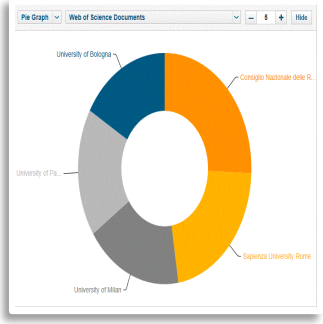
- What is the funding landscape for my specialty?
- Which institutions and authors are benefitting from which agency?

Collaboration Analysis & Visualization

- Which academic institutions am I already working with? Which collaborations have the most impact?
- Which academic institutions is my competitor working with? Which collaborations have the most impact?
- Which corporations is a university working with? Which collaborations have the most impact?







Clarivate Analytics

InCites Benchmarking & Analytics - Dataset Details

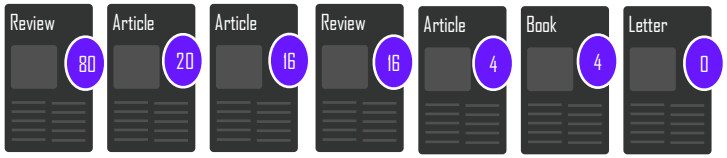
- All Authors/Addresses
- All Citations
- Cover-to-Cover Indexing
- International
- Multidisciplinary

WEB OF SCIENCE CORE COLLECTION

Science Citation Index-Expanded
Social Sciences Citation Index
Arts & Humanities Citation Index
Conference Proceedings Citation Index
Book Citation Index

INCITES: BENCHMARKING & ANALYTICS

- 100+ Countries
- 9,000+ Institutions
- 18,000+ Journals
- 190k+ Conference Proceedings
- 80k+ Scholarly Books



- 9,000+ Unified Organizations
- 1,000+ Unified Funders
- Coverage: 1980 – Present

Clarivate Analytics

VIVO Researcher Portal

VIVO is an open source web application and information model for representing scholarship and supporting research discovery.

"VIVO creates a **connected, integrated record of** the **scholarly work** of your institution, ready for **reporting**, **visualization**, and **analysis**."

VIVO services (stand alone or with Clarivate products)	VIVO with Web of Science	VIVO with InCites
Setup and configuration	API access to populate VIVO	API access to populate VIVO
Software customization	Data consultation and automation	Data consultation and automation
Technical training	Web of Science web services basic-basic article metadata	InCites API-article indicators
Project planning		

VIVO started as an NIH grant-funded project to improve collaboration amongst researchers. It is now a community-funded project managed by Duraspace http://www.duraspace.org/

Institutions are under pressure to publicize their research expertise to promote collaborations within their own institution, with other academic/government research institutions, and with industry.

Researchers use VIVO to find collaborators from other disciplines, both within their organization and from other organizations.

Administrators use VIVO to fulfill their institutional missions around collaboration and promoting accomplishments.

Clarivate Analytics

https://experts.toledo.edu

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1872

Scholarly Networking & Discovery Portal

Stage 1: Setup, Implementation, & Rollout = $32,000**

Cost for Custom, Disambiguated Faculty dataset = $13,500

Stage 2: Continued Data Integration & Consulting (On-going) = $6,400**

*Hosting in not included
**Pricing is estimated
***Stage 1 defined by Proposed Phases #1-5 (see next slide)

- Setup, Configuration, and Support for Clarivate Analytics data integration (Web of Science Core Collection) and guidance on local data integration (ex. Courses, Grants/Awards, etc.) to VIVO's standard data model.
- Value-added metadata such as subject categories, keywords plus, document type, funding, related records, InCites indicators & flags, etc.
- Consultation and training for University of Toledo team who will be managing and extending VIVO.
- Portal code would belong to University of Toledo and possible to open source enhancements.
- **InCites and Premium APIs annual subscriptions not included with services pricing

Clarivate Analytics

Proposed Phases:
Scholarly Networking & Discovery Portal

THE UNIVERSITY OF TOLEDO

Phase 1 - Initial application installation and configuration. Consultation and mapping for loading WoS publication data into VIVO. Clarivate will develop automated processes to extract UofT affiliated researcher publications from Web of Science and load into VIVO. To begin, we will identify a set of ~250 researchers to focus on for the initial efforts to ensure that the software is meeting expectations. ~5-10 days.

Phase 2 - Search evaluation, review, and customization. Ensure that the system is returning relevant search results. Adjust VIVO search index as needed to meet requirements. ~2-5 days.

Phase 3 - VIVO software modifications to meet user interface needs. Apply the University of Toledo branding to VIVO Application. UofT to provide branding guidelines and associated CSS, images, etc. This could entail Clarivate Analytics carrying out work given mock-ups or wireframes or on-site training and consultation for University of Toledo staff. ~4-6 days.

Phase 4 - mapping of additional local data sources, courses, grants, patents, and any additional content for the sample set of researchers coming from Faculty180 system. ~4-7 days.

Phase 5 - Complete additional mapping of researchers and their publications not covered in Phase 1. Apply developed toolkit to transform faculty information extracted from Source systems (ex. Faculty180) to the VIVO ontology and load the data into the VIVO application. Further modifications to VIVO application to meet local needs. ~5-10 days.

**Each phase would conclude with an evaluation of where the project stands and how to proceed. Included in each Phase is an estimate for the minimal number of professional service days.

*Professional Services charged on a Time & Material basis
Rate per day = $1,600

Clarivate Analytics

Web of Science – Data Integration with Faculty 180

Investment Summary: $17,200

Web of Science has worked with Data180 in the implementation of Faculty180 systems and knows exactly how to format the data for seamless import into their system

The onetime loading of this data removes the burden from faculty, or their surrogates, to find all of their publications, validate them, and import them into their profiles.

The data will be presented in a “clean” state. No need for disambiguating author or institution names.

The bulk load, along with the Premium API included in an InCites subscription, gives Toledo a fully populated system. This allows the system to be complete and accurate quickly. Additionally, Toledo will have the ability to run robust institutional level reports without having doubts about the “participation” level and completeness of individual faculty profiling efforts.

Clarivate Analytics

Clarivate Analytics
Complete Suite – Investment Summary

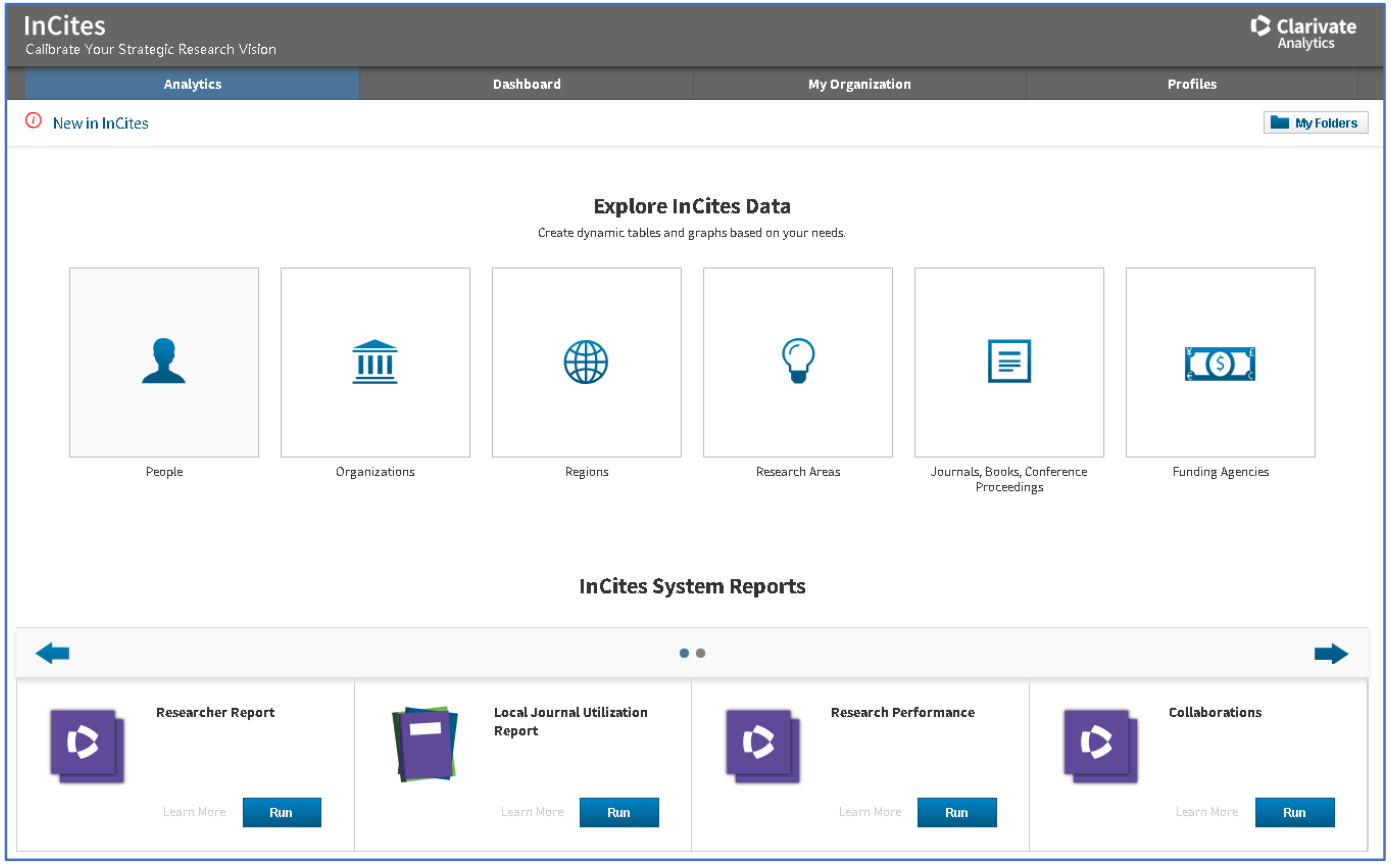
Product	List Price	OhioLINK Discount (Standalone Pricing)	Bundle Pricing for All Resources
InCites Benchmarking and Analytics	$35,000	**$31,750**	**$28,820**
Custom Faculty Database – Data 180	$18,000	**$17,200**	**$15,270**
Custom Faculty Database - VIVO	$18,000	**$17,200**	**$13,500**
VIVO	Setup, Implementation, Rollout - $48,000 Maintenance and Consulting - $10,400	**Setup, Implementation, Rollout - $37,000 Maintenance and Consulting - $8,200**	**Setup, Implementation, Rollout - $32,000 Maintenance and Consulting - $6,400**
			Savings: $15,360

Additional VIVO cost outlined on Slide 7. VIVO implementation/build cost based on customizations. Need to scope for accurate pricing.

University of Toledo

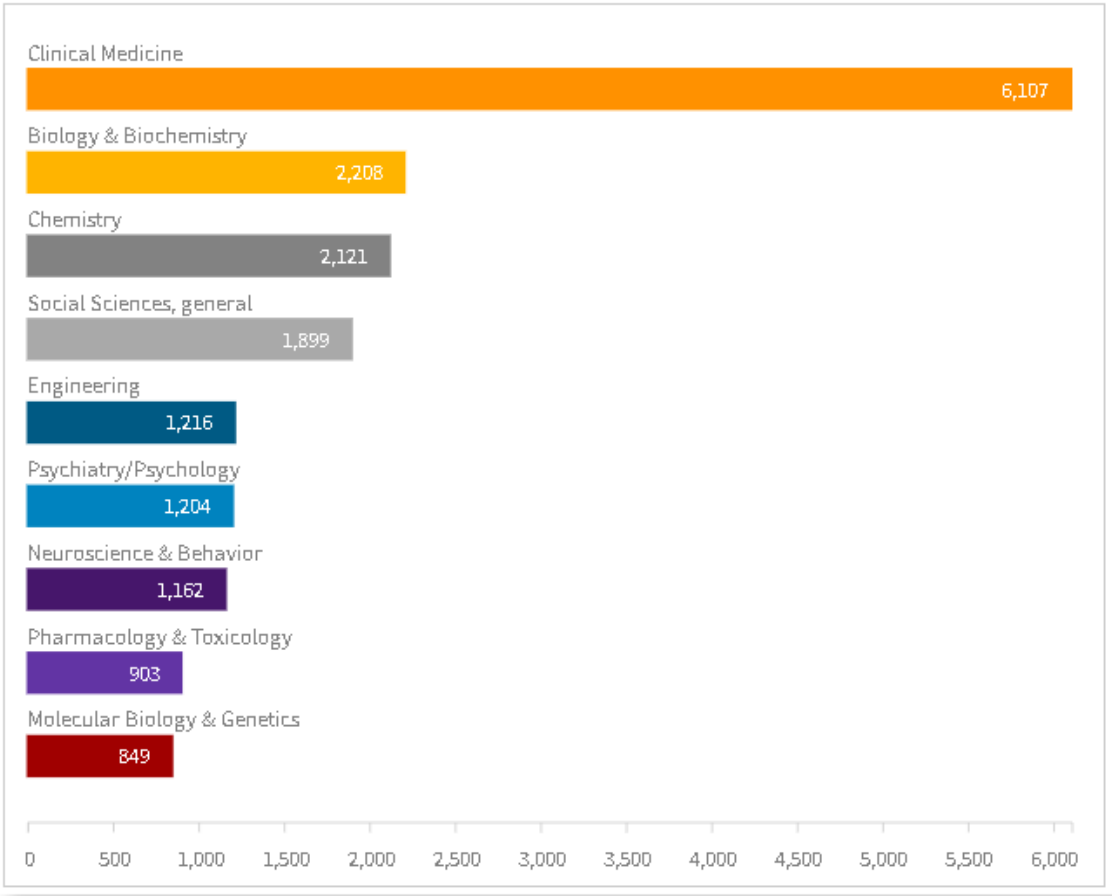
Research Impact Metrics

Created using Web of Science Data in InCites



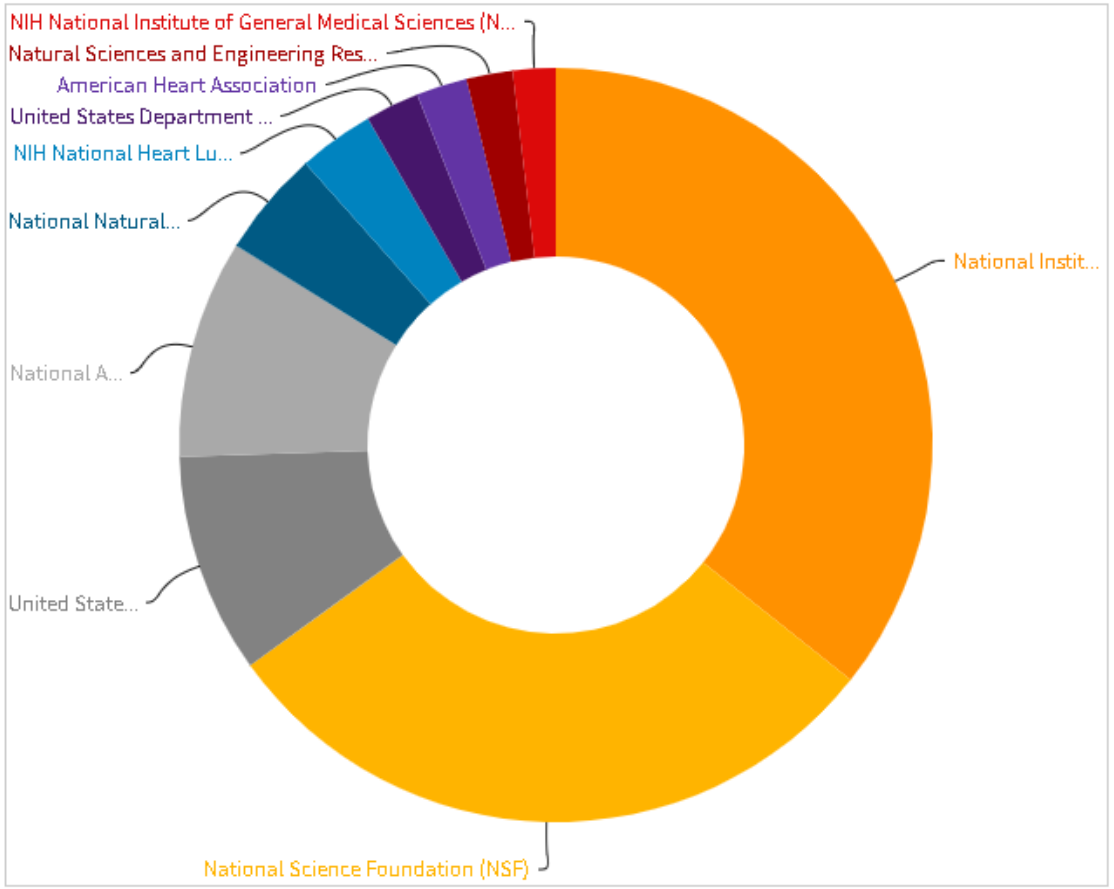
Clarivate Analytics

University of Toledo - Top Output Categories 1980-2018

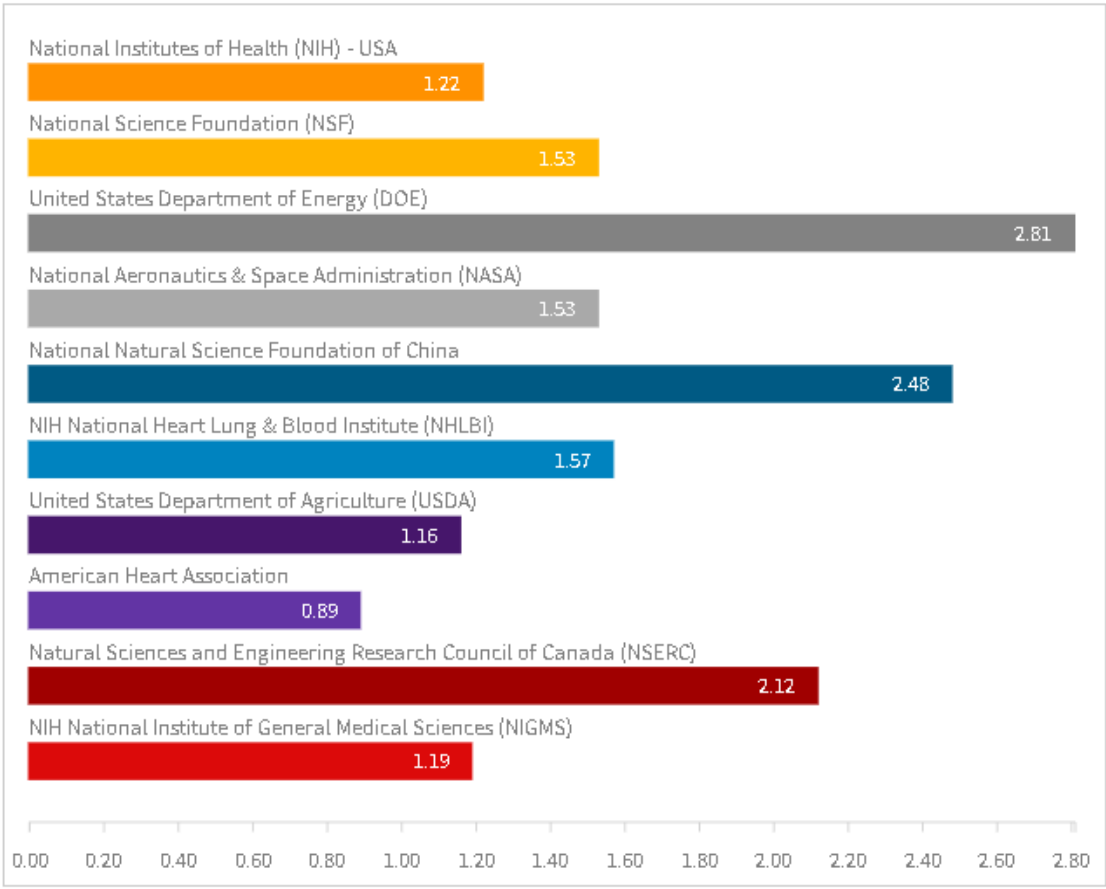


University of Toledo - Normalized Impact per Discipline (min. 200 citations) 1980-2018

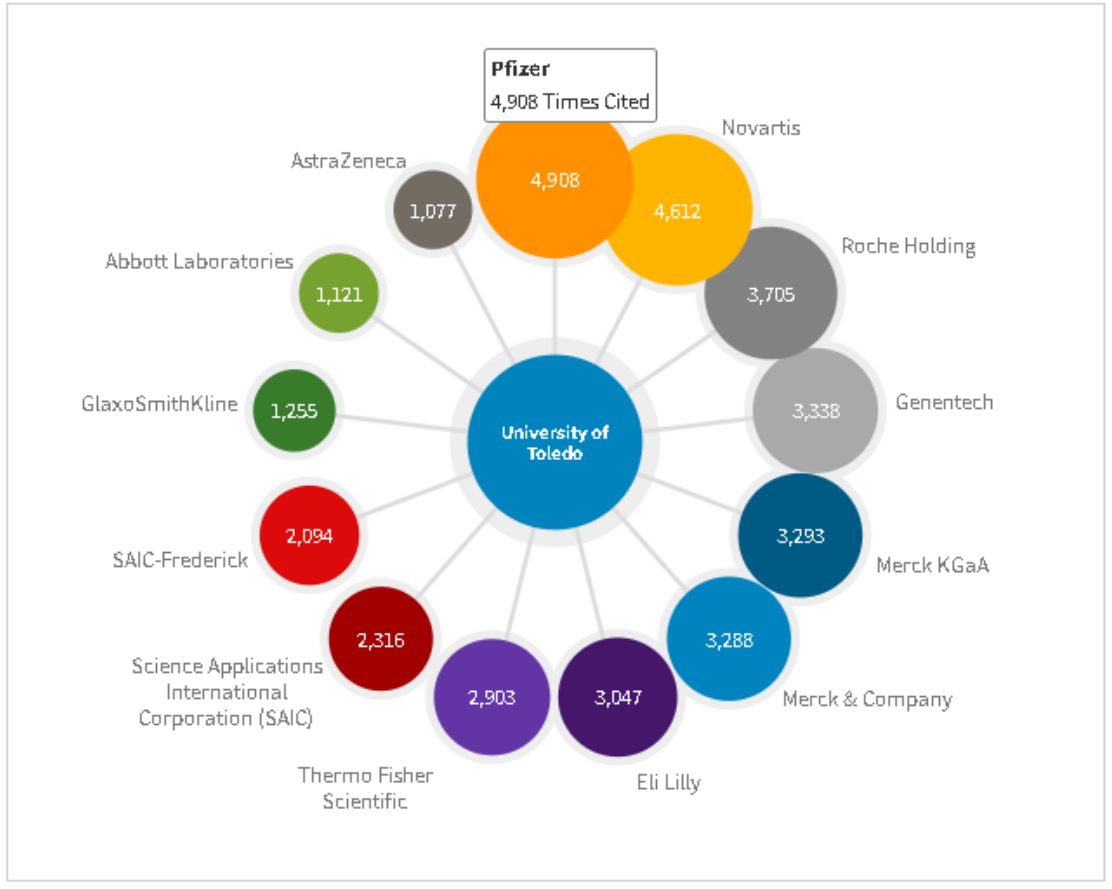
University of Toledo - Most Pubs per Funding Agency 2008-2018



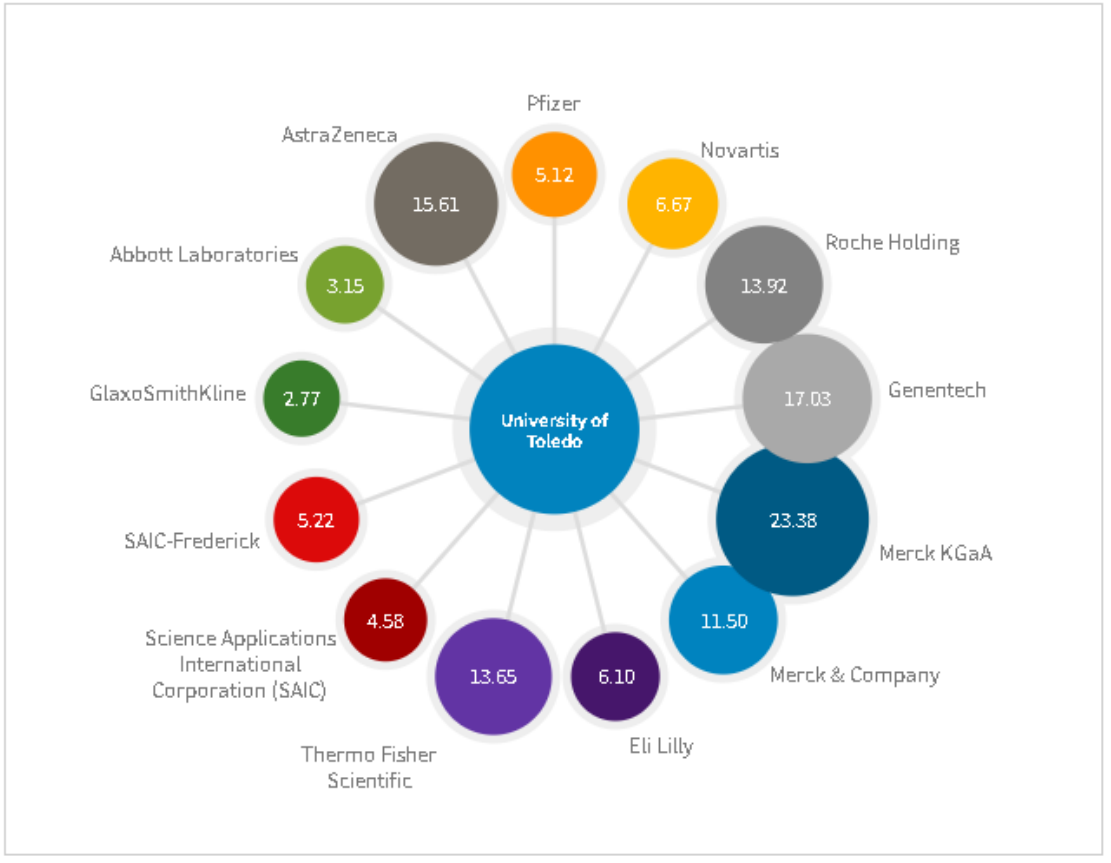
University of Toledo - Highest Normalized Impact per Funder 2008-2018



University of Toledo - Most Citations per Corporate Collaborator min 5 publications

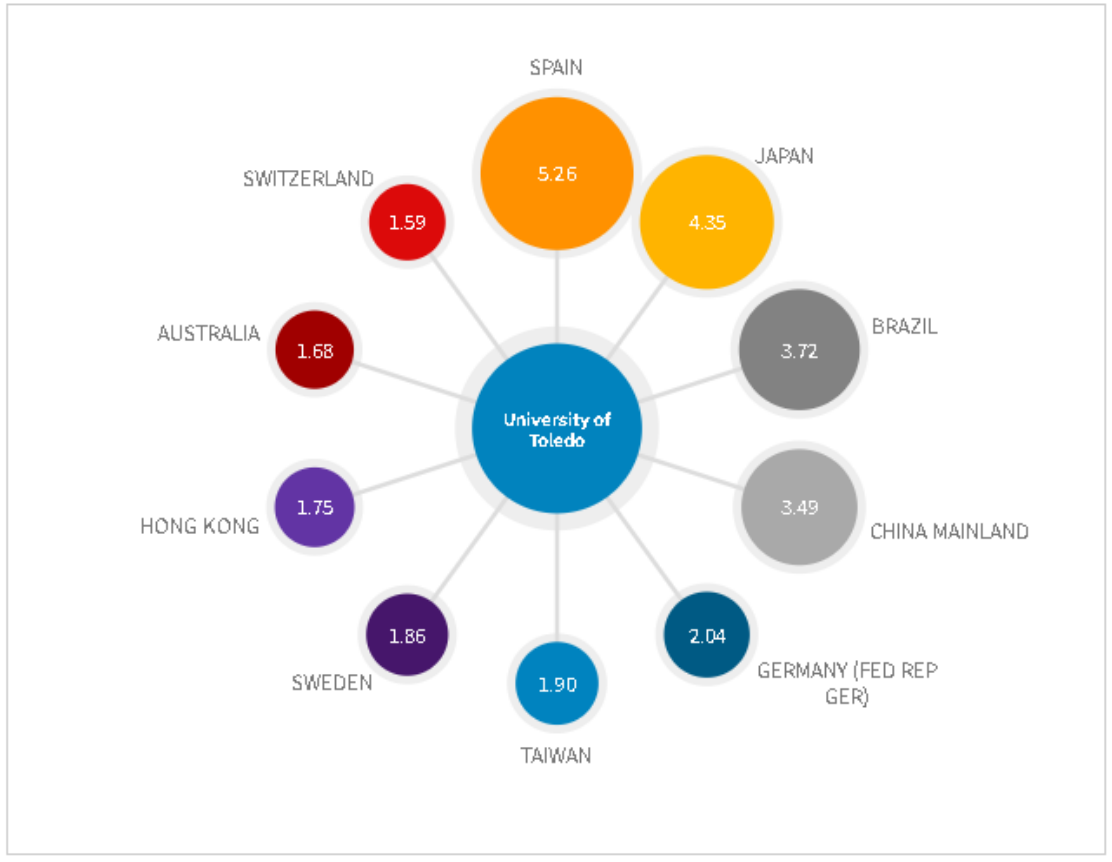


University of Toledo - Highest Normalized Impact per Corporate Collaborator min 5 publications

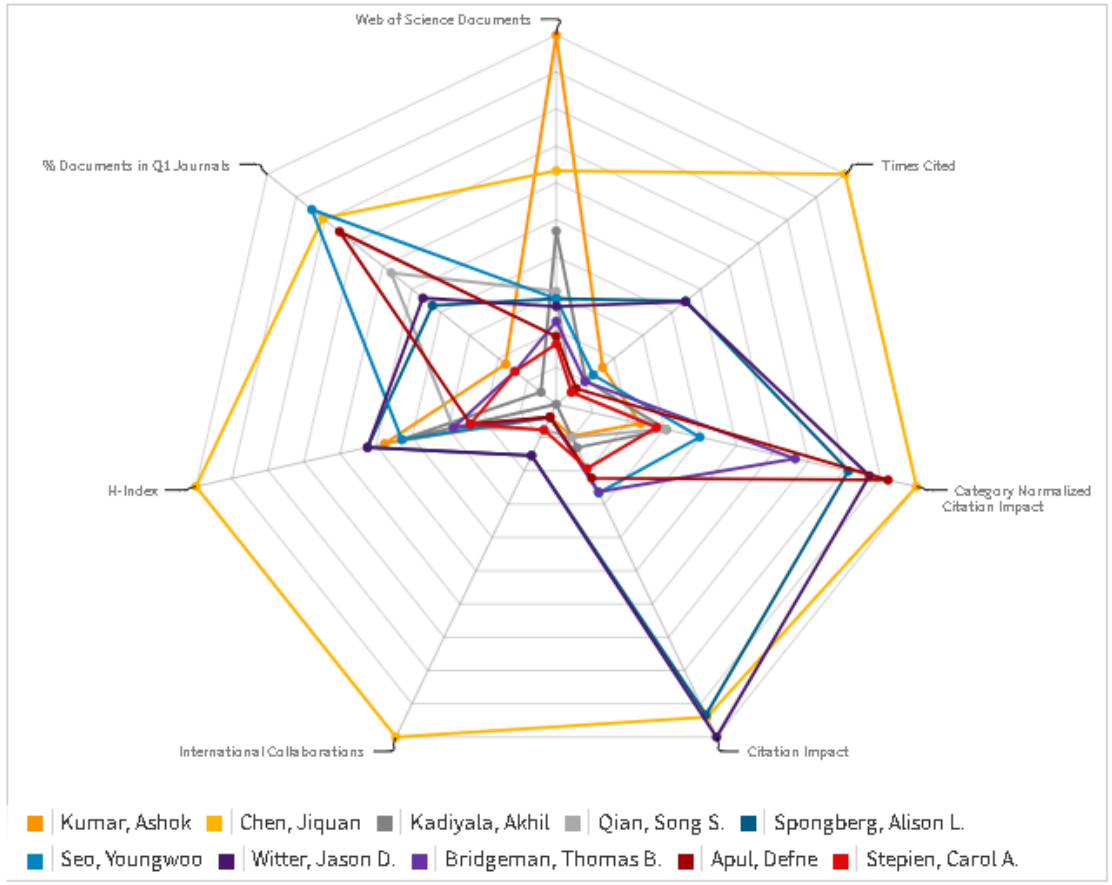


University of Toledo - Top Collaborating Countries (# of Pubs) - Engineering & Technology 1980-2018

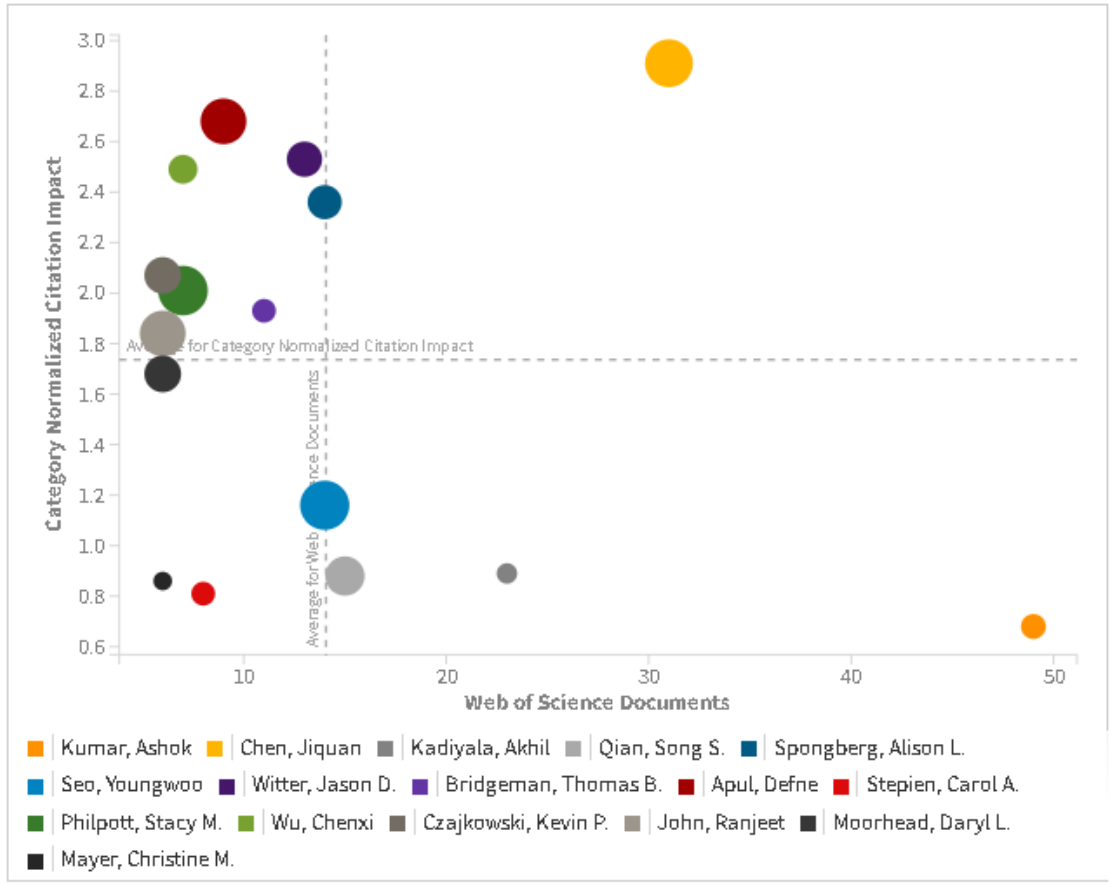
University of Toledo - Top Collaborating Countries by Normalized Impact - Engineering & Technology 1980-2018 - min. 5 pubs.



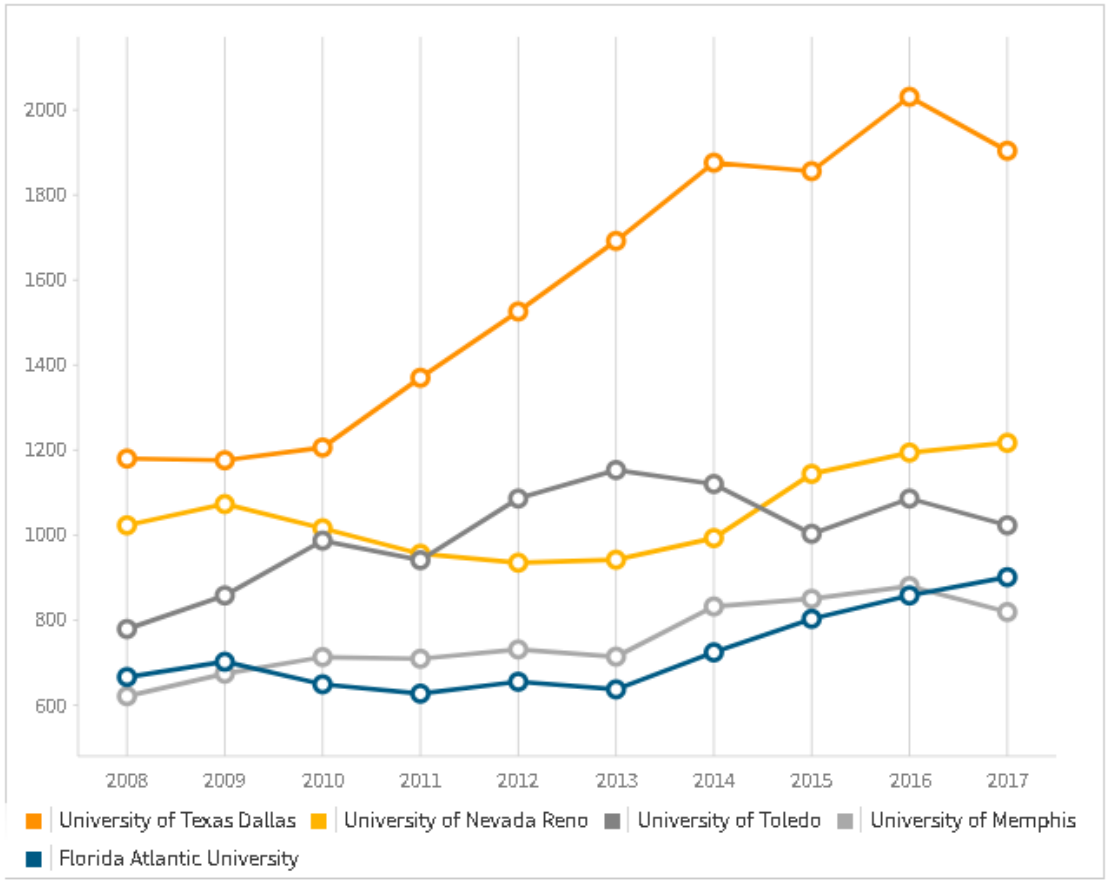
University of Toledo - Top Published Authors (2008-2018) - Environmental Sciences 2008-2018



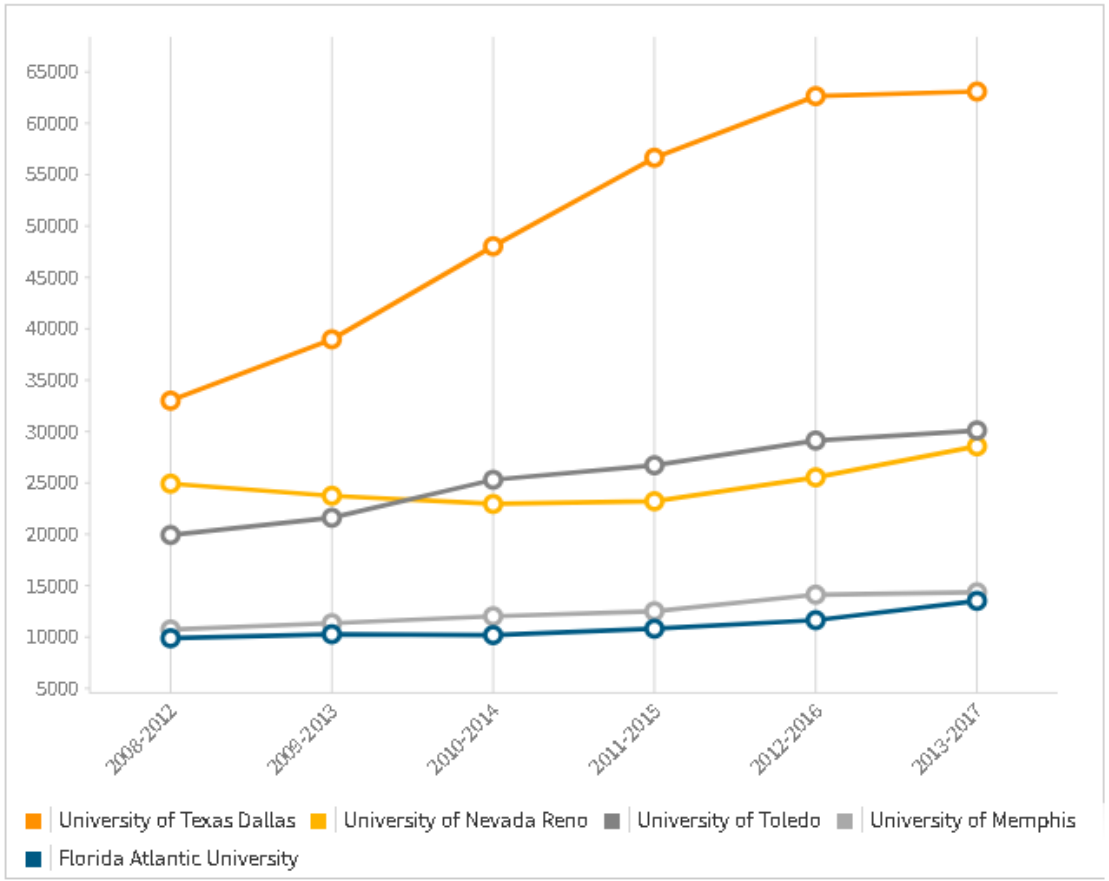
University of Toledo - Top Published Authors (2008-2018) - Environmental Sciences 2008-2018



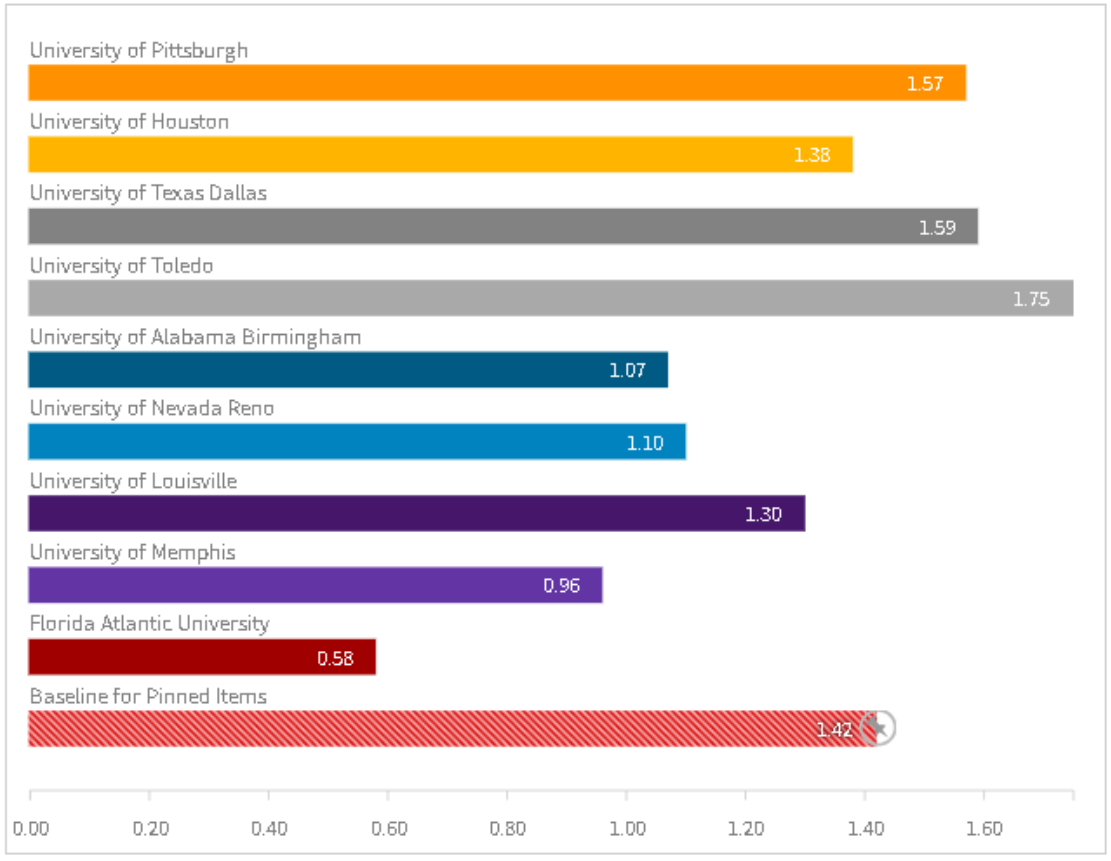
University of Toledo - Trend of Publications - 2008-2017



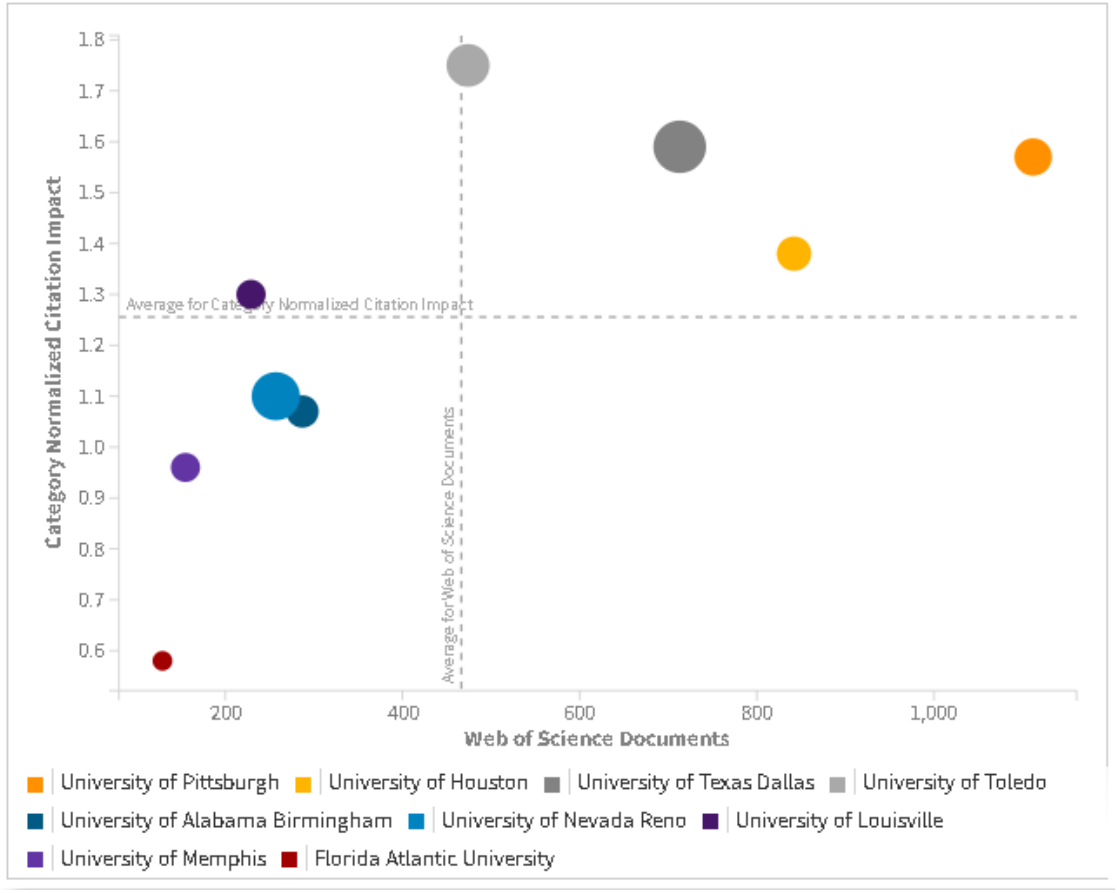
University of Toledo - Trend of Citations - 2008-2017



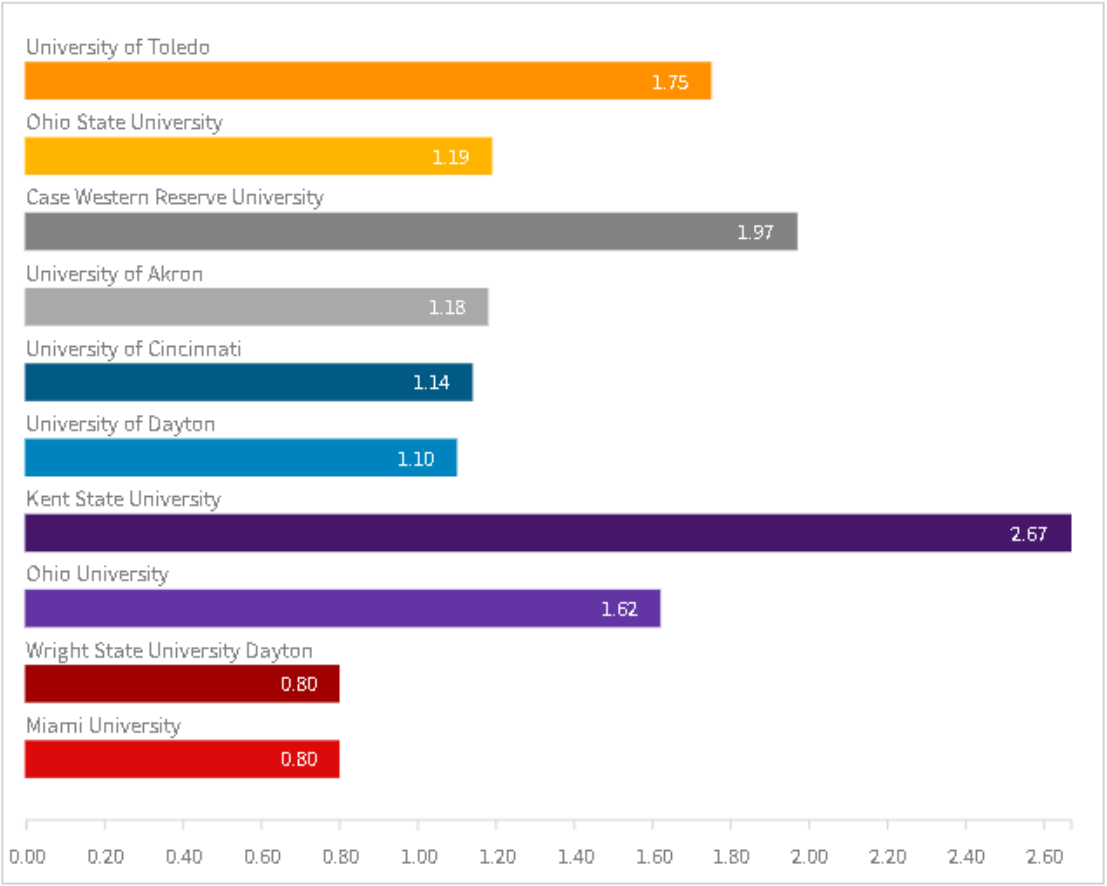
University of Toledo vs. Peers (& Aspirational) - Normalized Impact in Materials Science - 2008-2018



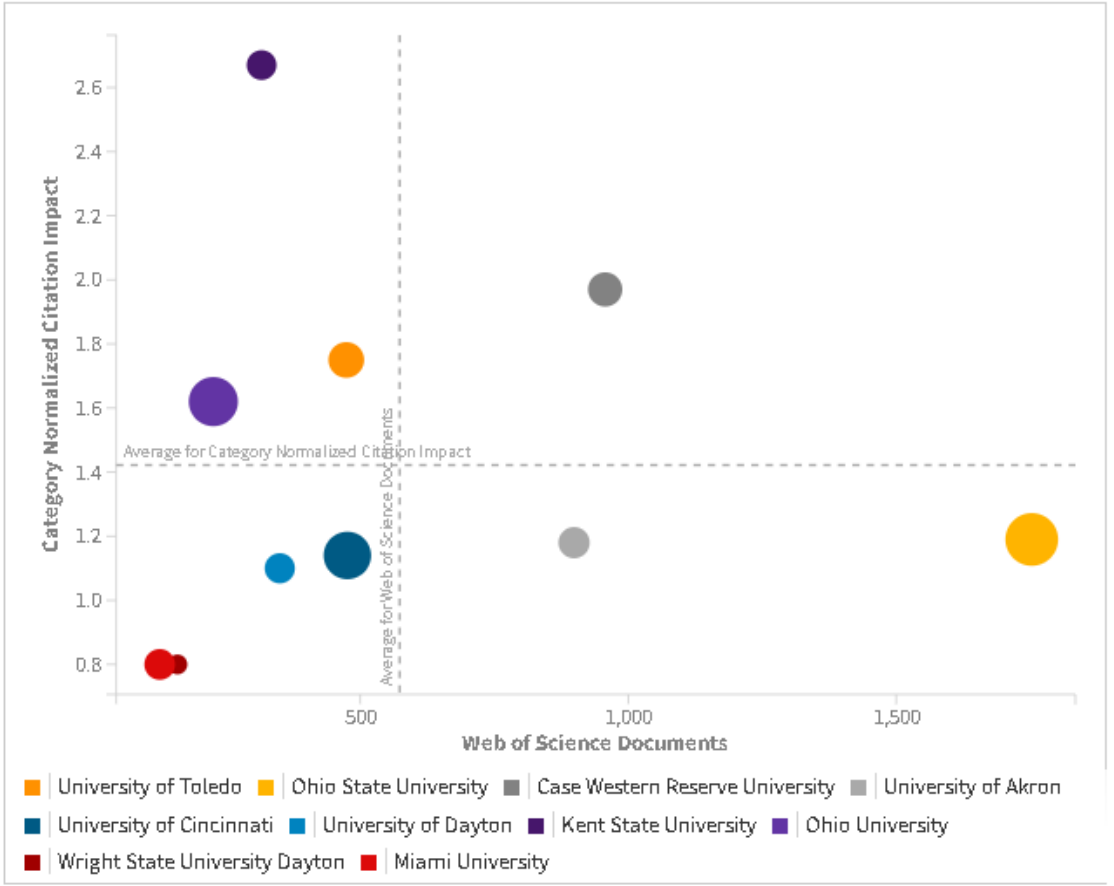
University of Toledo vs. Peers (& Aspirational) - Scatter Plot in Materials Science - 2008-2018



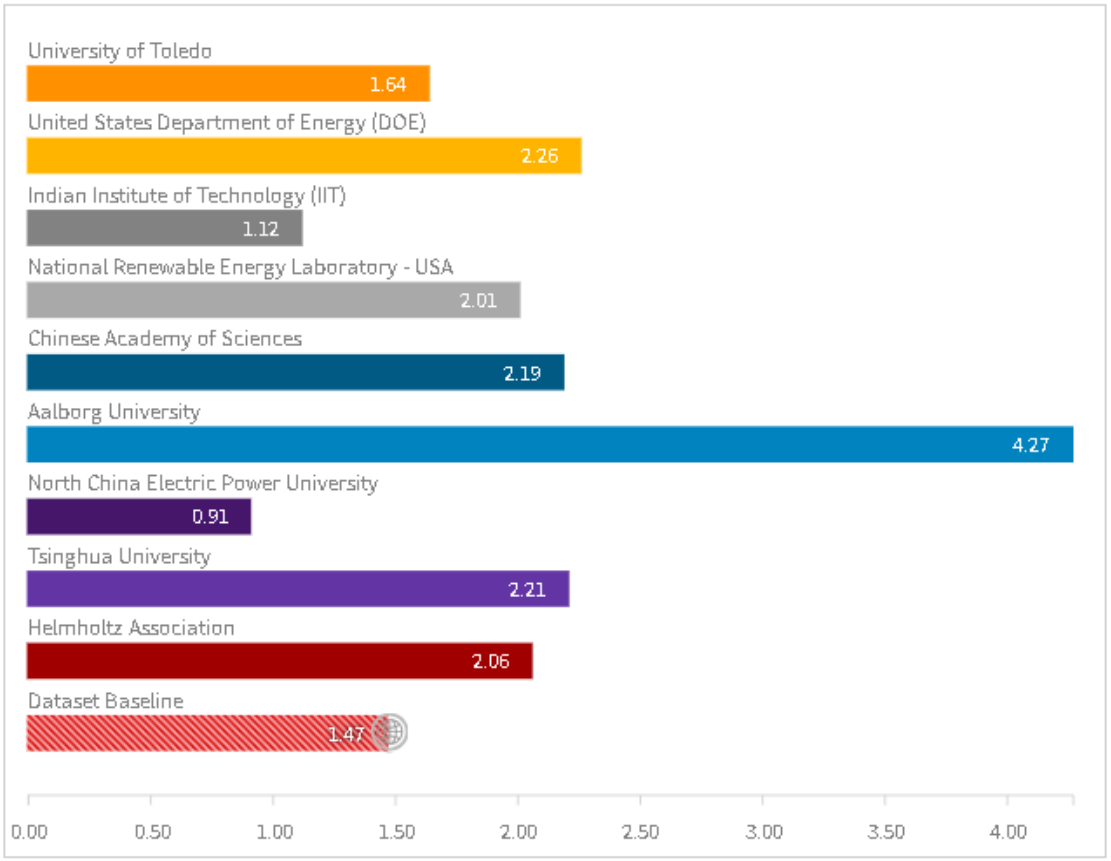
University of Toledo vs. Ohio Peers - Normalized Impact in Materials Science - 2008-2018



University of Toledo vs. Ohio Peers - Scatter Plot in Materials Science - 2008-2018

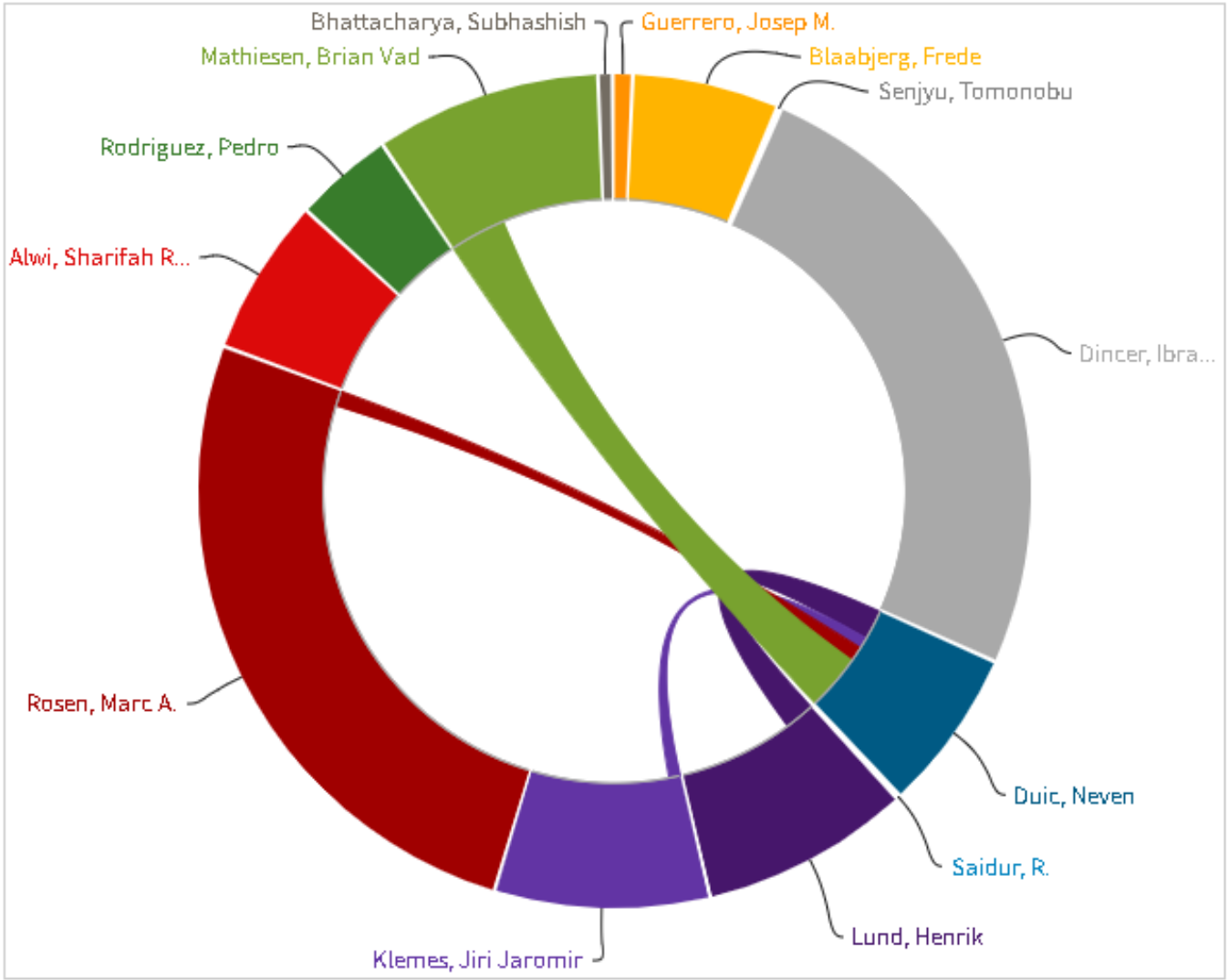


"Renewable Energy" - Top Institutions by normalized impact 1980-2017 - pinned Toledo; sort by most pubs

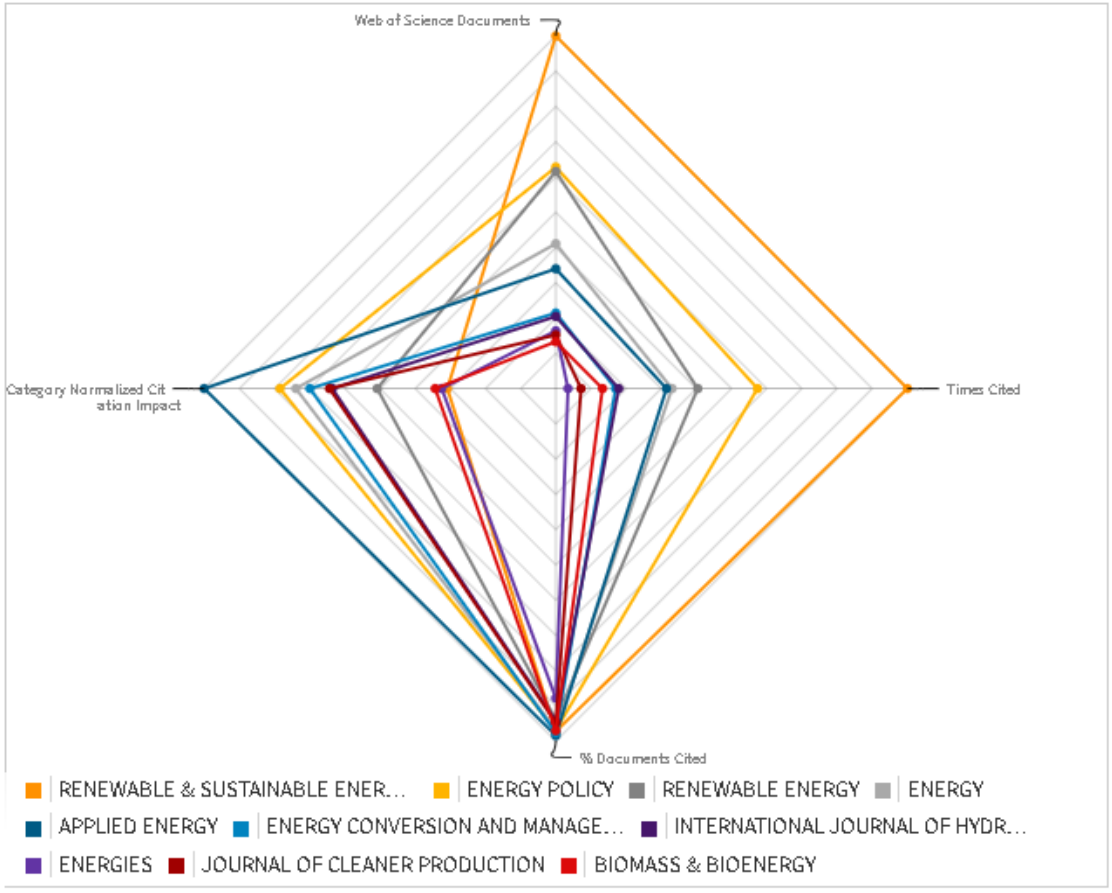


Renewable Energy - Top 20 Funders by Output 2008-2017

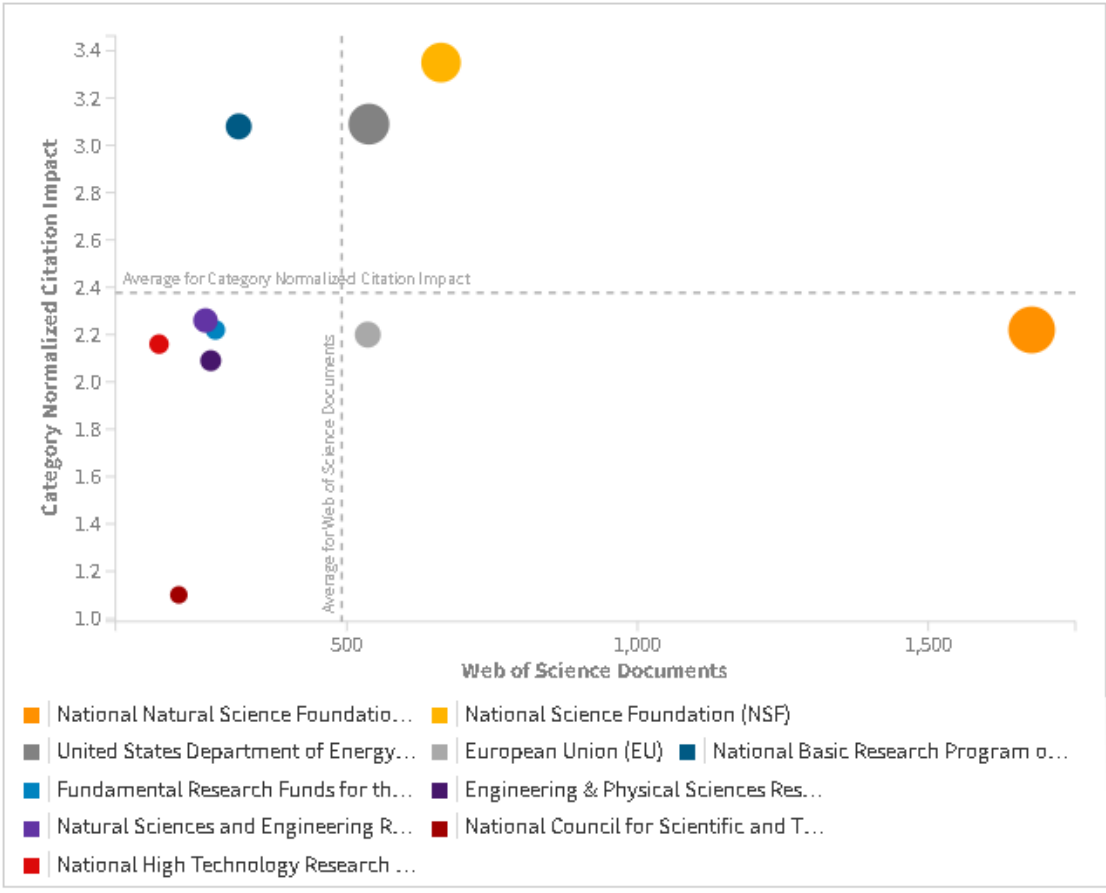
Top Authors Collaboration Network for "Renewable Energy"

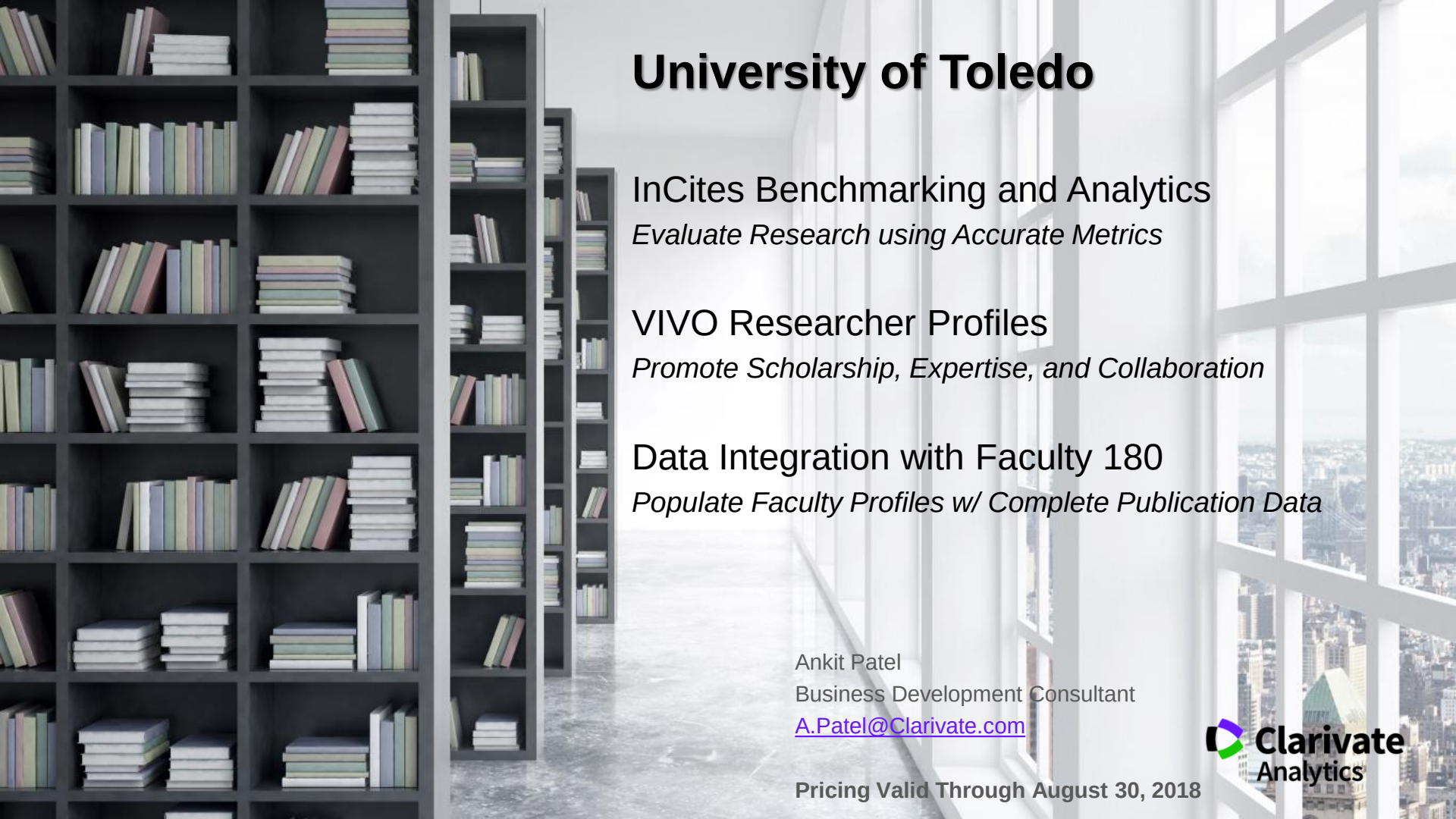


Top Journals within "Renewable Energy" - Radar Graph 1980-2017; sort by most pubs



Funding Agency Scatter Plot Comparisons in "Renewable Energy" 2008-2017





University of Toledo

InCites Benchmarking and Analytics

Evaluate Research using Accurate Metrics

VIVO Researcher Profiles

Promote Scholarship, Expertise, and Collaboration

Data Integration with Faculty 180

Populate Faculty Profiles w/ Complete Publication Data

Ankit Patel
Business Development Consultant
A.Patel@Clarivate.com

Pricing Valid Through August 30, 2018

Clarivate Analytics

InCites Benchmarking & Analytics – $31,750

Research Impact Analysis & Visualization

- Which academic, government and industry groups produce the most impactful work in my specialty?
- Where are the centers of excellence in a particular region?
- Which organizations produce the hottest research? Who is funding the hottest research?

Assessment & Reporting

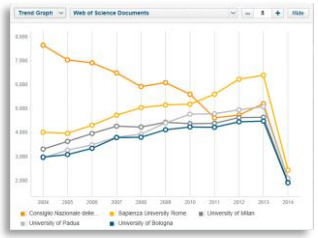
- Which authors have produced the most impactful work?
- Who are the high-impact authors in a particular region?

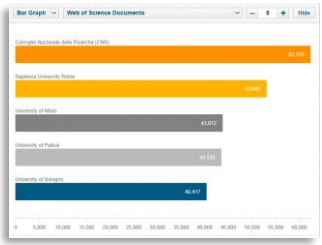
Research Funding Analysis & Visualization

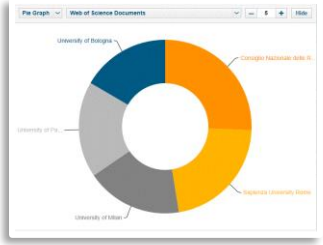
- What is the funding landscape for my specialty?
- Which institutions and authors are benefitting from which agency?

Collaboration Analysis & Visualization

- Which academic institutions am I already working with? Which collaborations have the most impact?
- Which academic institutions is my competitor working with? Which collaborations have the most impact?
- Which corporations is a university working with? Which collaborations have the most impact?







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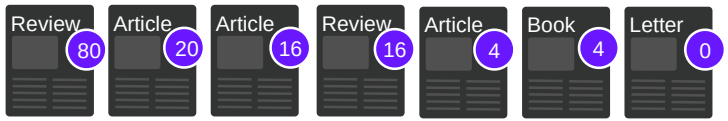
InCites Benchmarking & Analytics - Dataset Details

- All Authors/Addresses
- All Citations
- Cover-to-Cover Indexing
- International
- Multidisciplinary

WEB OF SCIENCE CORE COLLECTION

Science Citation Index-Expanded
Social Sciences Citation Index
Arts & Humanities Citation Index
Conference Proceedings Citation Index
Book Citation Index



INCITES: BENCHMARKING & ANALYTICS

- 100+ Countries
- 9,000+ Institutions
- 18,000+ Journals
- 190k+ Conference Proceedings
- 80k+ Scholarly Books

9,000+ Unified Organizations

1,000+ Unified Funders

Coverage: 1980 – Present

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VIVO Researcher Portal

VIVO is an open source web application and information model for representing scholarship and supporting research discovery.

"VIVO creates a **connected, integrated record of** the **scholarly work** of your institution, ready for **reporting**, **visualization**, and **analysis**."

VIVO services (stand alone or with Clarivate products)

- Setup and configuration
- Software customization
- Technical training
- Project planning

VIVO with Web of Science

- API access to populate VIVO
- Data consultation and automation
- Web of Science web services basic-basic article metadata

VIVO with InCites

- API access to populate VIVO
- Data consultation and automation
- InCites API-article indicators

VIVO started as an NIH grant-funded project to improve collaboration amongst researchers. It is now a community-funded project managed by Duraspace http://www.duraspace.org/

Institutions are under pressure to publicize their research expertise to promote collaborations within their own institution, with other academic/government research institutions, and with industry.

Researchers use VIVO to find collaborators from other disciplines, both within their organization and from other organizations.

Administrators use VIVO to fulfill their institutional missions around collaboration and promoting accomplishments.

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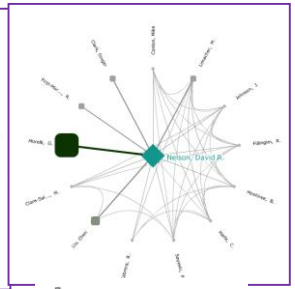
Example: University of Florida

InCites with VIVO (Web of Science Expanded API for data enrichment)

UF | UNIVERSITY of FLORIDA

Co-author Network



Co-investigator Network

University of Florida VIVO: https://vivo.ufl.edu/

Technical Presentation on project from 2016 VIVO Conference

Univ Florida VIVO:
- First created in 2009
- Features over 50,000 publications

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THE UNIVERSITY OF TOLEDO
1872

Scholarly Networking & Discovery Portal

Stage 1: Setup, Implementation, & Rollout = $32,000**

Cost for Custom, Disambiguated Faculty dataset = $13,500

Stage 2: Continued Data Integration & Consulting (On-going) = $6,400**

*Hosting in not included
**Pricing is estimated
***Stage 1 defined by Proposed Phases #1-5 (see next slide)

- Setup, Configuration, and Support for Clarivate Analytics data integration (Web of Science Core Collection) and guidance on local data integration (ex. Courses, Grants/Awards, etc.) to VIVO's standard data model.
- Value-added metadata such as subject categories, keywords plus, document type, funding, related records, InCites indicators & flags, etc.
- Consultation and training for University of Toledo team who will be managing and extending VIVO.
- Portal code would belong to University of Toledo and possible to open source enhancements.
- **InCites and Premium APIs annual subscriptions not included with services pricing

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Proposed Phases:
Scholarly Networking & Discovery Portal

THE UNIVERSITY OF TOLEDO

Phase 1 - Initial application installation and configuration. Consultation and mapping for loading WoS publication data into VIVO. Clarivate will develop automated processes to extract UofT affiliated researcher publications from Web of Science and load into VIVO. To begin, we will identify a set of ~250 researchers to focus on for the initial efforts to ensure that the software is meeting expectations. ~5-10 days.

Phase 2 - Search evaluation, review, and customization. Ensure that the system is returning relevant search results. Adjust VIVO search index as needed to meet requirements. ~2-5 days.

Phase 3 - VIVO software modifications to meet user interface needs. Apply the University of Toledo branding to VIVO Application. UofT to provide branding guidelines and associated CSS, images, etc. This could entail Clarivate Analytics carrying out work given mock-ups or wireframes or on-site training and consultation for University of Toledo staff. ~4-6 days.

Phase 4 - mapping of additional local data sources, courses, grants, patents, and any additional content for the sample set of researchers coming from Faculty180 system. ~4-7 days.

Phase 5 - Complete additional mapping of researchers and their publications not covered in Phase 1. Apply developed toolkit to transform faculty information extracted from Source systems (ex. Faculty180) to the VIVO ontology and load the data into the VIVO application. Further modifications to VIVO application to meet local needs. ~5-10 days.

**Each phase would conclude with an evaluation of where the project stands and how to proceed. Included in each Phase is an estimate for the minimal number of professional service days.

*Professional Services charged on a Time & Material basis
Rate per day = $1,600

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Web of Science – Data Integration with Faculty 180

Investment Summary: $17,200

Web of Science has worked with Data180 in the implementation of Faculty180 systems and knows exactly how to format the data for seamless import into their system

The onetime loading of this data removes the burden from faculty, or their surrogates, to find all of their publications, validate them, and import them into their profiles.

The data will be presented in a “clean” state. No need for disambiguating author or institution names.

The bulk load, along with the Premium API included in an InCites subscription, gives Toledo a fully populated system. This allows the system to be complete and accurate quickly. Additionally, Toledo will have the ability to run robust institutional level reports without having doubts about the “participation” level and completeness of individual faculty profiling efforts.

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Clarivate Analytics
Complete Suite – Investment Summary

Product	List Price	OhioLINK Discount (Standalone Pricing)	Bundle Pricing for All Resources
InCites Benchmarking and Analytics	$35,000	**$31,750**	**$28,820**
Custom Faculty Database – Data 180	$18,000	**$17,200**	**$15,270**
Custom Faculty Database - VIVO	$18,000	**$17,200**	**$13,500**
VIVO	Setup, Implementation, Rollout - $48,000 Maintenance and Consulting - $10,400	**Setup, Implementation, Rollout - $37,000** **Maintenance and Consulting - $8,200**	**Setup, Implementation, Rollout - $32,000** **Maintenance and Consulting - $6,400**
			Savings: $15,360

Additional VIVO cost outlined on Slide 7. VIVO implementation/build cost based on customizations. Need to scope for accurate pricing.

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