

Thesis Seminar

Systematic literature review

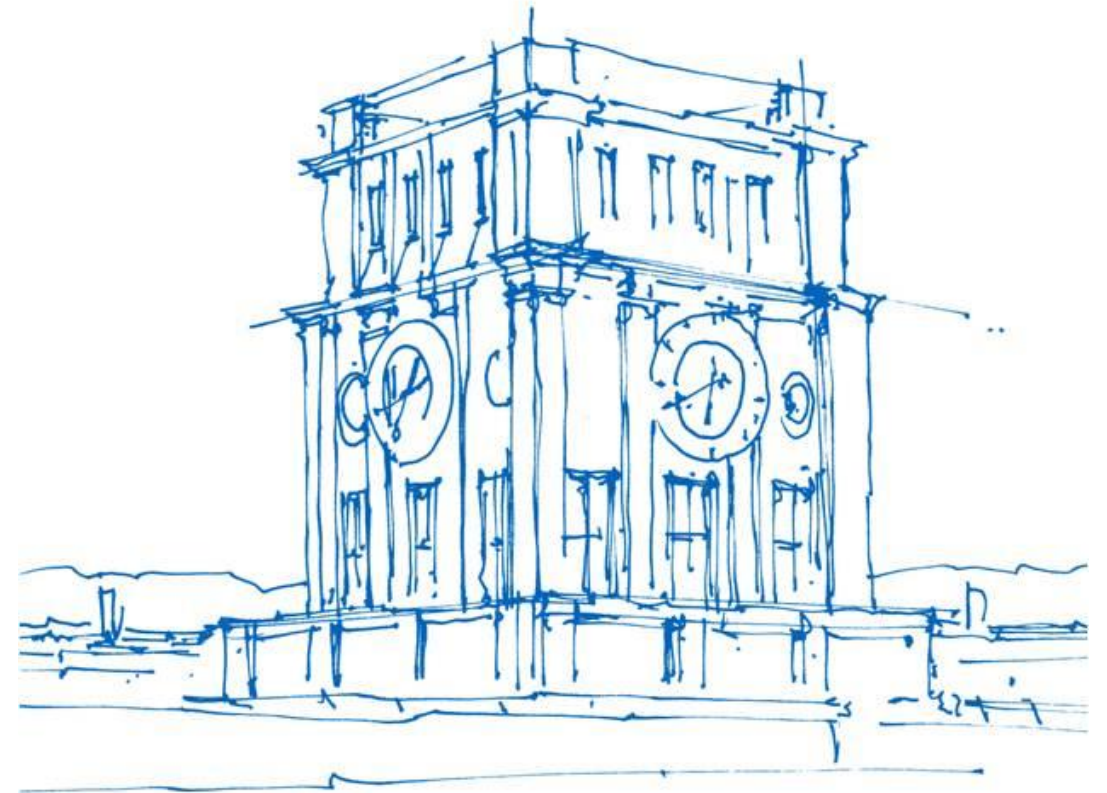
Dr. Theresa Treffers

Technical University of Munich

TUM School of Management

Chair for Strategy and Organization

Prof. Dr. Isabell M. Welp



Uhrenturm der TUM

A large, thick, blue curved arrow on the left side of the diagram, pointing downwards from the top to the bottom, indicating a clockwise flow.

Generating a research topic

(Systematic) literature search – state of research

Identification of research gaps

Formulation of research question

Theory choice

Formulating hypotheses

Planning research design

Pilot study

Data collection

Data analysis

Interpretation of results

Distributing / Communicating results

A large, thick, blue curved arrow on the right side of the diagram, pointing upwards from the bottom to the top, indicating a clockwise flow.

What is a literature search?

What is a literature analysis?

What is a literature review?



Literature search, analysis, and review

Literature search:

Searching systematically (!!!) for relevant literature and other impactful sources.

Literature analysis:

Analysis of the sources for relevance (define inclusion and exclusion criteria.

 leading to research gap and research question

Literature review:

A written summary of your analysis.

What a literature review...

...IS NOT

- a summary or an abstract of articles.
- an annotated bibliography, describing every single publication in detail and one after another.
- a collection of every single work that has ever been done on your research topic.

... IS

- an analysis and synthesis of primary source materials, written in a specific style which flows from broad to narrow, and takes into account both the theoretical and empirical issues of the problem without over citing any source or sources.
- organized around ideas and topics (not to the author) and specific to the topic and the hypotheses.

1. Types of publications

- Periodicals (journals, annals, newspapers)
- Books (monographs, editions)
- Official publications, Internet pages, ...

2. Literature sources

- Journal data bases: e.g., Google Scholar; EBSCO Business Source Premier
- Library catalogues: e.g., OPAC

3. Process of literature research

- Start early
- Do it systematically

4. Documentation and Management (e.g., Word, Excel, EndNote, ...)

Popular Search Systems

→ Index web content or news

Google
Bing
New York Times
Wikipedia
National Geographic
...

vs.

Academic Search Systems

→ Index academic publications

[EbscoHost](#)
[ScienceDirect](#)
[Web of Science](#)
[JSTOR](#)
[Google Scholar](#)
[Microsoft Academic](#)
...

Open Access Alternatives:
[BASE](#)
[DOAJ](#)
...

Popular Articles (Magazines)

- ✓ Often written by journalists or professional writers for general audience
- ✓ Language easily understood
- ✓ Written for the general public
- ✓ Rarely give full citations for sources
- ✓ Tend to be shorter than journal articles

Vs.

Scholarly Articles (Journals):

- ✓ Written by and for faculty, researchers or scholars
- ✓ Based on original research or intellectual inquiry
- ✓ Uses scholarly or technical language
- ✓ Tend to be longer articles about research
- ✓ Full citations of sources
- ✓ Found in academic databases (although not everything on academic databases is of high scholarly quality)
- ✓ **Often refereed or peer reviewed**

Examples

- Times Magazine
- New York Times
- The Economist
- National Geographic
- ...

Examples

- Journal of International Business Studies
- Research Policy
- Science
- Nature
- Harvard Business Review
- ...

How to start a literature search?

- 1 Review Articles
- 2 Meta-Analyses

on your topic

Overview: Systematic literature search

1. Types of publications

- Periodicals (journals, annals, newspapers)
- Books (monographs, editions)
- Official publications, Internet pages, ...

2. Literature sources

- Journal data bases: e.g., Google Scholar; EBSCO; Proquest; Science Direct
- Library catalogues: e.g., OPAC

3. Process of literature research

- Start early
- Do it systematically

4. Documentation and Management (e.g., Word, Excel, EndNote, ...)

Search Google Like a Pro

You know how to Google,
but do you do it like a pro?

Here are a few simple yet very helpful search operators to help you
Search Google... like a Pro

“Quotation Marks”

“I love you Mom”

Using quotation marks in your search terms lets you search exactly for that word. It means, all your results will have your search terms in them.

- Dashes

dolphins -football

If you want to exclude a term from your search include a hyphen before that word.

~ Tilde

music ~classes

Use tilde when you want also its synonyms to appear in the result. The above query will search for music classes, lessons, coaching etc.

site:

site:ndtv.com

Use this operator to search within a specific website only.

| verticle bar

blouse | shirt | chemise

This query will search websites that have any one/two/all of the terms

.. Two Periods

movies 1950..1970

Include two periods when you want to search within two number ranges

Google Scholar (1/3)

Before starting your search, add the TUM library to Google Scholar



The screenshot shows the Google Scholar interface. At the top left, the URL <http://scholar.google.de/> is displayed. The navigation bar includes links for 'Meine Zitate', 'Kennzahlen', 'Benachrichtigungen', and 'Einstellungen' (highlighted with a blue box). The main search area features the Google Scholar logo, a search input field containing 'leader emotions', and radio buttons for 'Web-Suche' (selected) and 'Seiten auf Deutsch'. Below the search area is the text 'Auf den Schultern von Riesen'. On the right, the 'Scholar-Einstellungen' (Scholar Settings) dialog is open, showing options for library links. The 'Bibliotheks-Zugriffslinks anzeigen für (max. 5 Bibliotheken auswählbar)' section includes a search input and a list of checked libraries: 'Open WorldCat - Bibliothekssuche', 'Technische Universität München - SFX', and 'LMU München (Universitätsbibliothek) - SFX@LMU'. A note explains that online access is restricted to library users and provides instructions for using a library proxy. The dialog has 'Speichern' and 'Abbrechen' buttons.

Journal access from at home via **Cisco Vpn Client** (Leibnitz-Rechenzentrum); please be aware that you will also have to configure a proxy to get access: <http://www.lrz.de/services/netzdienste/proxy/browser-config/#firefox>

Google Scholar (2/3)



You can also choose additional search options for Google Scholar...

leader emotions

Web-Suche Seiten auf Deutsch

Erweiterte Scholar-Suche

Auf den Schultern von Riesen

Artikel finden

mit **allen** Wörtern

mit der **genauen Wortgruppe**

mit **irgendeinem** der Wörter

ohne die Wörter

die meine Wörter enthalten **irgendwo im Artikel** ▾

Artikel zurückgeben, die von folgendem Autor **verfasst** wurden:
z. B. "Stephen Hawking" oder Hawking

Artikel zurückgeben, die hier **veröffentlicht wurden**:
z. B. *NJW* oder *Nature*

Artikel zurückgeben, die in folgendem **Zeitraum** geschrieben wurden: –
z.B. 1996

... such as the author, the journal, a certain time span,

Google Scholar (3/3) - cited references search

When **leaders** display **emotion**: How followers respond to negative emotional expression of male and female **leaders**

[KM Lewis](#) - ... Behavior: The International Journal of Industrial ..., 2000 - Wiley Online Library

A **leader's** emotional display is proposed to affect his or her audience. In this study, observing a male or female **leader** express negative **emotion** was proposed to influence the observer's affective state and assessment of the **leader's** effectiveness. In a laboratory study ...




☆   Zitiert von: 602 Ähnliche Artikel Alle 6 Versionen Web of Science: 223 

[PDF] [wiley.com](#)
SFX

Emotion and attribution of intentionality in **leader**-member relationships

[MT Dasborough](#), [NM Ashkanasy](#) - The Leadership Quarterly, 2002 - Elsevier

In this article, we present a model of **emotions** and attributions of intentionality within the **leader**-member relationship. The model is predicated on two central ideas. The first is that leadership is intrinsically an emotional process, where **leaders** display **emotion** and attempt ...

☆   Zitiert von: 572 Ähnliche Artikel Alle 11 Versionen Web of Science: 209 

[PDF] [uq.edu.au](#)
SFX


Emergent **leaders** as managers of group **emotion**

[AT Pescosolido](#) - The Leadership Quarterly, 2002 - Elsevier

This article proposes a new role for emergent group **leaders**, that of the manager of group **emotions**. This description of leadership suggests that individual group members take leadership by providing certainty and direction during times of ambiguity. They are able to ...

☆   Zitiert von: 446 Ähnliche Artikel Alle 4 Versionen Web of Science: 159 

SFX



Ungefähr 285 Ergebnisse (0,05 Sek.)

When leaders display emotion: How followers respond to negative emotional expression of male...

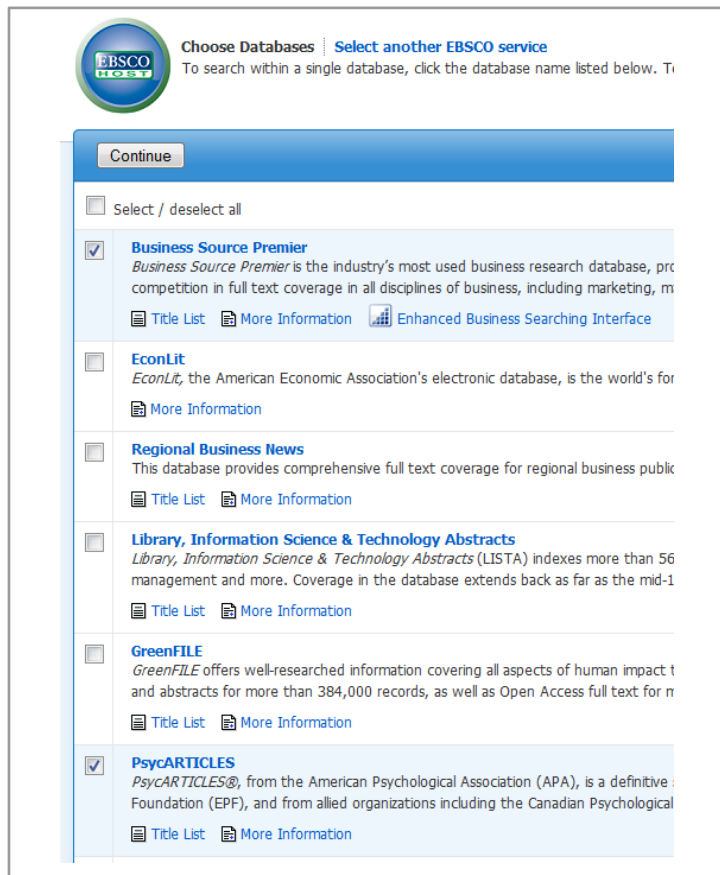
In Artikeln mit Zitaten suchen

[Organizational behavior: Affect in the workplace](#) [PDF] von [cmu.edu](#)
[AP Brief](#), [HM Weiss](#) - Annual review of psychology, 2002 - annualreviews.org
• Abstract The study of affect in the workplace began and peaked in the 1930s, with the decades that followed up to the 1990s not being particularly fertile. Whereas job satisfaction generally continues to be loosely but not carefully thought of and measured as an affective ...
Zitiert durch: 987 Ähnliche Artikel Alle 14 Versionen In EndNote importieren Mehr ▾

[The contagious leader: impact of the leader's mood on the mood of group members, group affective tone, and group processes.](#) SFX@LMU
[T Sy](#), [S Côté](#), [R Saavedra](#) - Journal of applied psychology, 2005 - psycnet.apa.org
Abstract 1. The present study examined the effects of leaders' mood on (a) the mood of individual group members, (b) the affective tone of groups, and (c) 3 group processes: coordination, effort expenditure, and task strategy. On the basis of a mood contagion ...
Zitiert durch: 389 Ähnliche Artikel Alle 6 Versionen In EndNote importieren Mehr ▾

The e-data base EBSCO Host

- <http://search.ebscohost.com.eaccess.ub.tum.de>
- Restrict your findings to e.g., business, psychology, and economics



Choose Databases | [Select another EBSCO service](#)

To search within a single database, click the database name listed below. To

[Continue](#)

Select / deselect all

Business Source Premier
Business Source Premier is the industry's most used business research database, providing full text coverage in all disciplines of business, including marketing, management, and economics.

[Title List](#) [More Information](#) [Enhanced Business Searching Interface](#)

EconLit
EconLit, the American Economic Association's electronic database, is the world's for

[More Information](#)

Regional Business News
This database provides comprehensive full text coverage for regional business public

[Title List](#) [More Information](#)

Library, Information Science & Technology Abstracts
Library, Information Science & Technology Abstracts (LISTA) indexes more than 56 management and more. Coverage in the database extends back as far as the mid-1

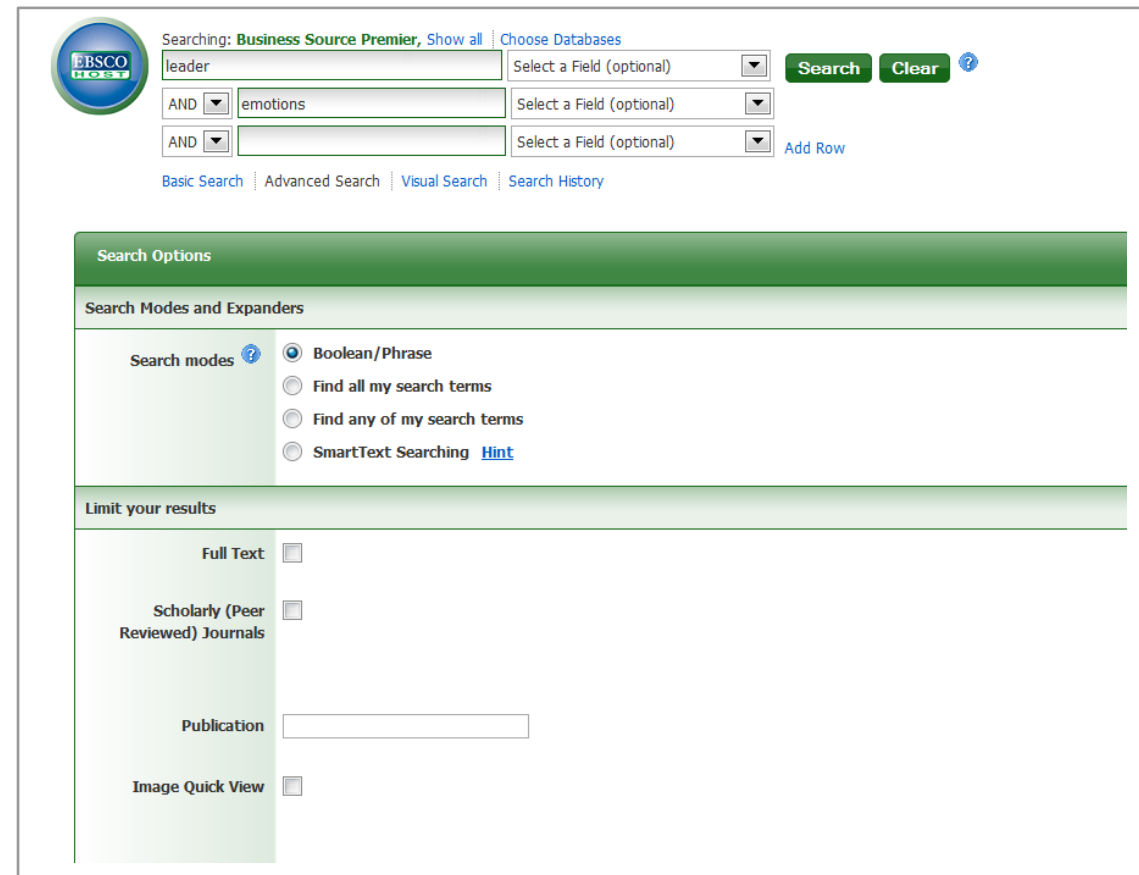
[Title List](#) [More Information](#)

GreenFILE
GreenFILE offers well-researched information covering all aspects of human impact and abstracts for more than 384,000 records, as well as Open Access full text for m

[Title List](#) [More Information](#)

PsycARTICLES
PsycARTICLES®, from the American Psychological Association (APA), is a definitive Foundation (EPF), and from allied organizations including the Canadian Psychological

[Title List](#) [More Information](#)



Searching: **Business Source Premier, Show all** | [Choose Databases](#)

leader Select a Field (optional)

AND emotions Select a Field (optional)

AND Select a Field (optional) [Add Row](#)

[Search](#) [Clear](#) [?](#)

[Basic Search](#) | [Advanced Search](#) | [Visual Search](#) | [Search History](#)

Search Options

Search Modes and Expanders

Search modes [?](#)

Boolean/Phrase

Find all my search terms

Find any of my search terms

SmartText Searching [Hint](#)

Limit your results

Full Text

Scholarly (Peer Reviewed) Journals

Publication

Image Quick View

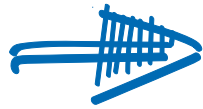
E-journals

- When searching for articles in specific journals, you can check the TUM E-journals on the TUM library page
- <https://www.ub.tum.de/zugang-zu-ejournals>

The screenshot shows the TUM library website with several annotations:

- Navigation Bar:** TUM Technische Universität München, Startseite, A bis Z, eAccess, mediaTUM, OPAC.
- Left Sidebar:** Suchen & Finden, Online-Kataloge, Datenbanken, eJournals, eBooks, TUM-eCollections, Dissertationen & Abschlussarbeiten, Normen, Skripten, TUM-Systematik, Signaturen & Standorte, Ausleihen & Bestellen, Lernen & Arbeiten, Schreiben & Publizieren, Information & Beratung, Über die Bibliothek, A bis Z, Follow us on: Facebook, RSS, News: Teilbibliothek, Stammgelände schließt am 26.10.2011 bereits um 18 Uhr.
- Main Content Area:**
 - eJournals:** Die Universitätsbibliothek der TU München stellt Ihnen Volltexte aus über 16 000 wissenschaftlichen Zeitschriften zur Verfügung.
 - Überblick:** Zugang zu eJournals via EZB, eJournals finden und nutzen, Nutzungsbedingungen.
 - Zugang zu eJournals via EZB:** On-Campus Zugang (On-Campus Zugang via Proxy), Off-Campus Zugang (Off-Campus Zugang via eAccess).
 - eJournals finden und nutzen:** Sie finden unsere eJournals in der Elektronischen Zeitschriftenbibliothek (EZB) und im TUM Online-Katalog OPAC.
- Annotations:**
 - Zeitschriften:** nach Fächern, alphabetisch, erweiterte Suche, neu in der EZB. Search results: Academy of Management Journal.
 - Die Elektronische Zeitschriftenbibliothek:** Aktuelles, Im 15. Jahr ihres Bestehens erhält die Elektronische Zeitschriftenbibliothek (EZB) ein neues, frisches Layout. In der linken Funktionsleiste können Sie wie gewohnt in Fachlisten oder alphabetischen Listen blättern.
 - Suchresultate:** Sie suchten nach: (Titelworte = 'academy of management journal') in allen Zeitschriften. 9 Treffer. Suche verfeinern. Results include: Academy of Information and Management Sciences Journal, Academy of Management Journal (via EBSCO Host), Academy of Management Journal, Academy of Management Journal, The (ältere Jahrgänge via JSTOR), Asian Academy of Management Journal, Irish Journal of Management, The / Irish Academy of Management, Journal of the Academy of Management (via EBSCO Host), Journal of the Academy of Management, The (via JSTOR), Tai Wan Guan Li Xue Kan = Taiwan Academy of Management Journal.

How do you judge the quality of publications?




By the quality, rigor, strength of arguments and logic, i.e., on its own merits!

Bibliometrics (selected)

 Impact Factor

 Expert survey

 h-index

 Altmetrics

Journal Impact Factor

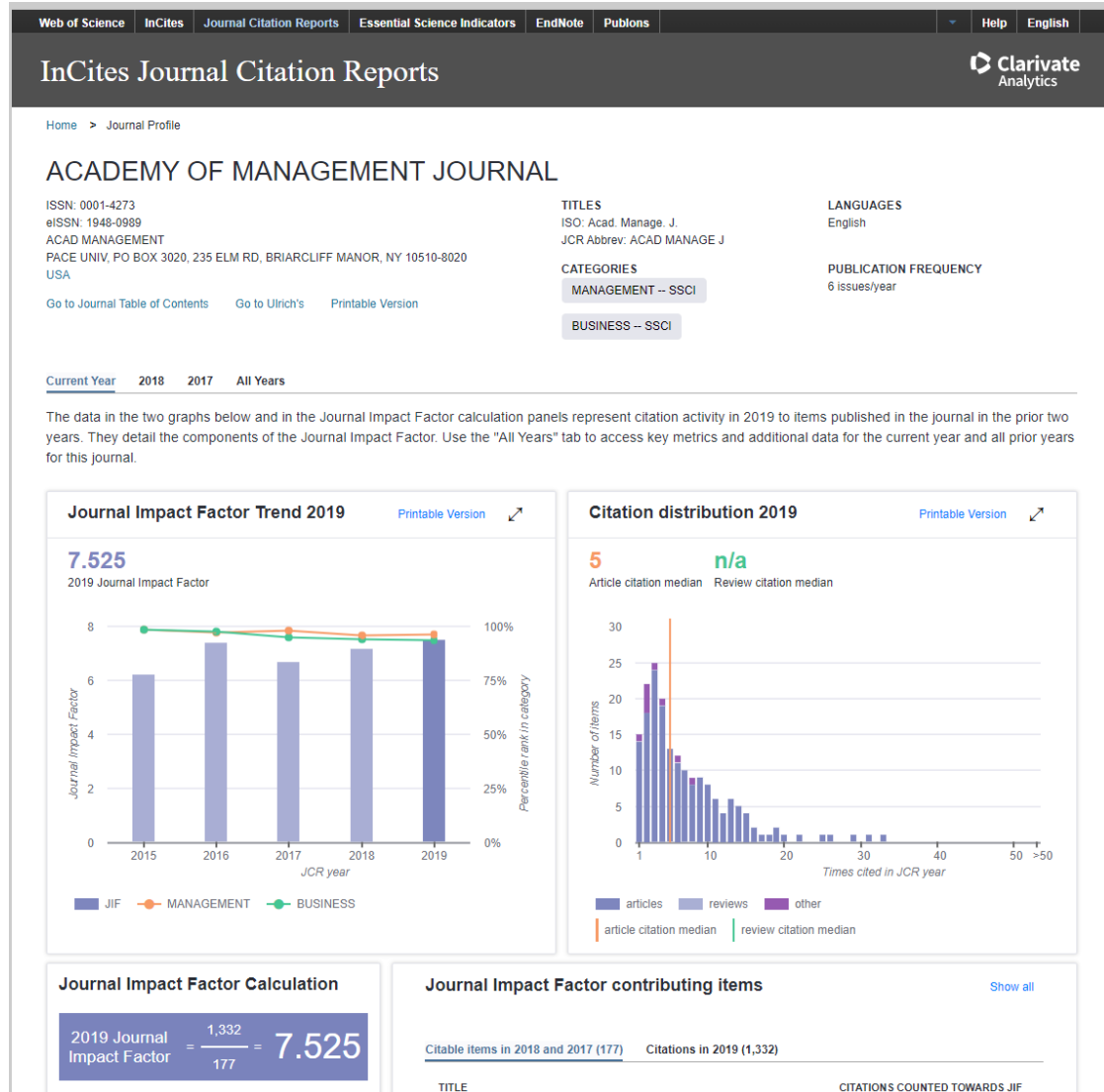
- Measures the **average impact of research articles** appearing in the same journal
- Calculated using three years of data

$$IF_A = \frac{\text{All citations } Y \text{ to articles in } A \text{ during } (Y-1)+(Y-2)}{\text{All citable articles in } A \text{ during } (Y-1)+(Y-2)} \quad Y = \text{Year, } A = \text{Journal } A$$

- Citable articles: research articles, technical notes, reviews (not: editorials, letters, news items, meeting abstracts)

**Try to include mainly high impact articles in your paper
Yet – don't leave out low impact articles when checking whether you discovered a
research gap or not!**

Incites Journal Citation Reports



https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwjx_afMzOTsAhXGzoUKHR6xBd4QFjAAegQIARAC&url=https%3A%2F%2Fjcr.clarivate.com%2F&usq=AOvVaw0XlxdW4w0qjAqixLgjqTjR

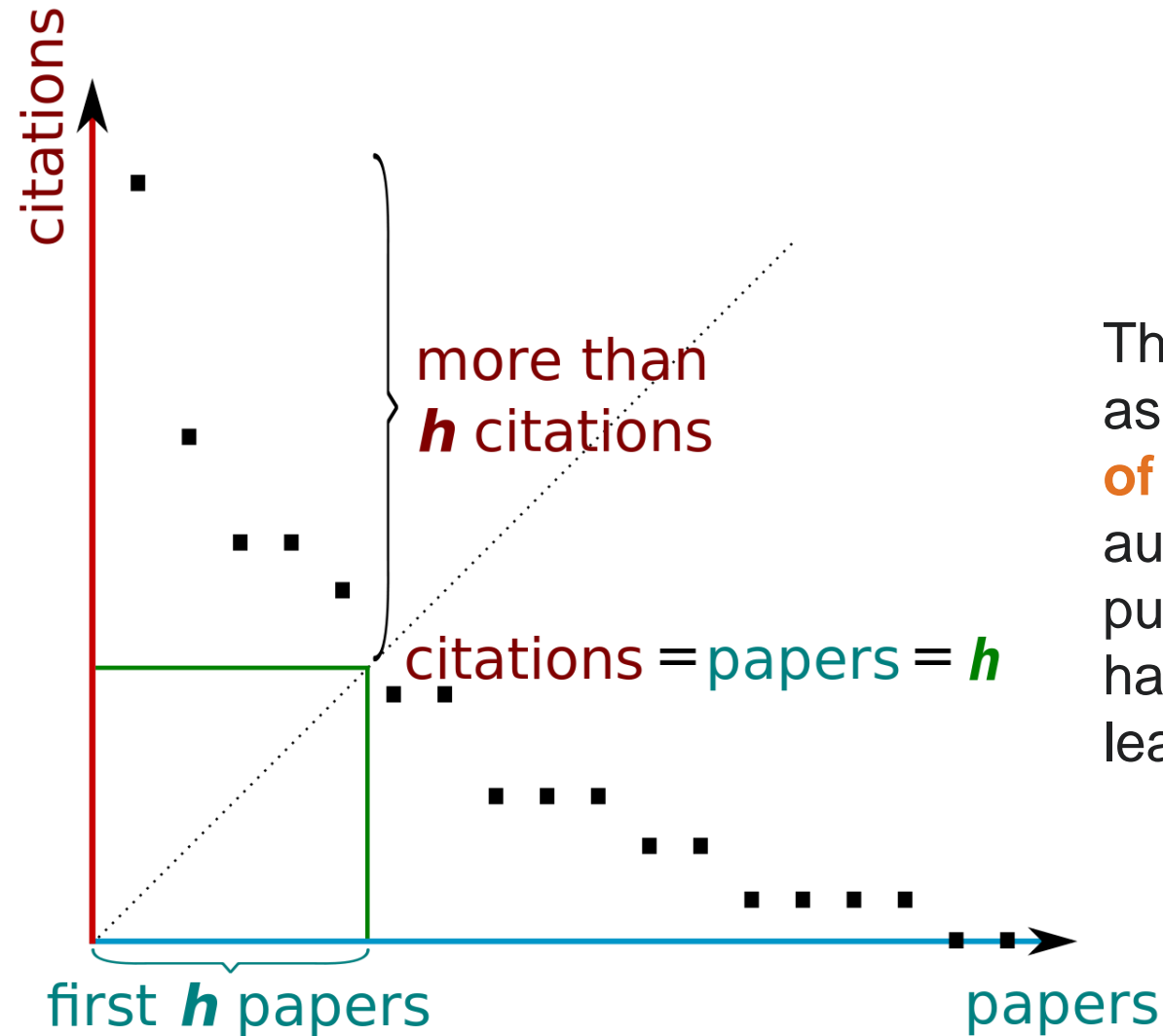
Scimago Journal & Country Rank

Academy of Management Journal

Country	United States -  SIR Ranking of United States	<h1>304</h1> <hr/> <p>H Index</p>
Subject Area and Category	Business, Management and Accounting Business and International Management Business, Management and Accounting (miscellaneous) Management of Technology and Innovation Strategy and Management	
Publisher	Academy of Management	
Publication type	Journals	
ISSN	00014273	
Coverage	1975-1987, 1989-2019	
Scope	The mission of AMJ is to publish empirical research that tests, extends, or builds management theory and contributes to management practice. All empirical methods including, but not limited to, qualitative, quantitative, field, laboratory, meta-analytic, and mixed methods are welcome. To be published in AMJ, the research must make strong empirical and theoretical contributions and the manuscript should highlight the relevance of those contributions to management practice. Authors should strive to produce original, insightful, interesting, important, and theoretically bold research that demonstrates a significant "value-added" contribution to the field's understanding of an issue or topic. AMJ is published six times a year in February, April, June, August, October, and December.	
	Homepage	
	How to publish in this journal	
	Contact	
	Join the conversation about this journal	

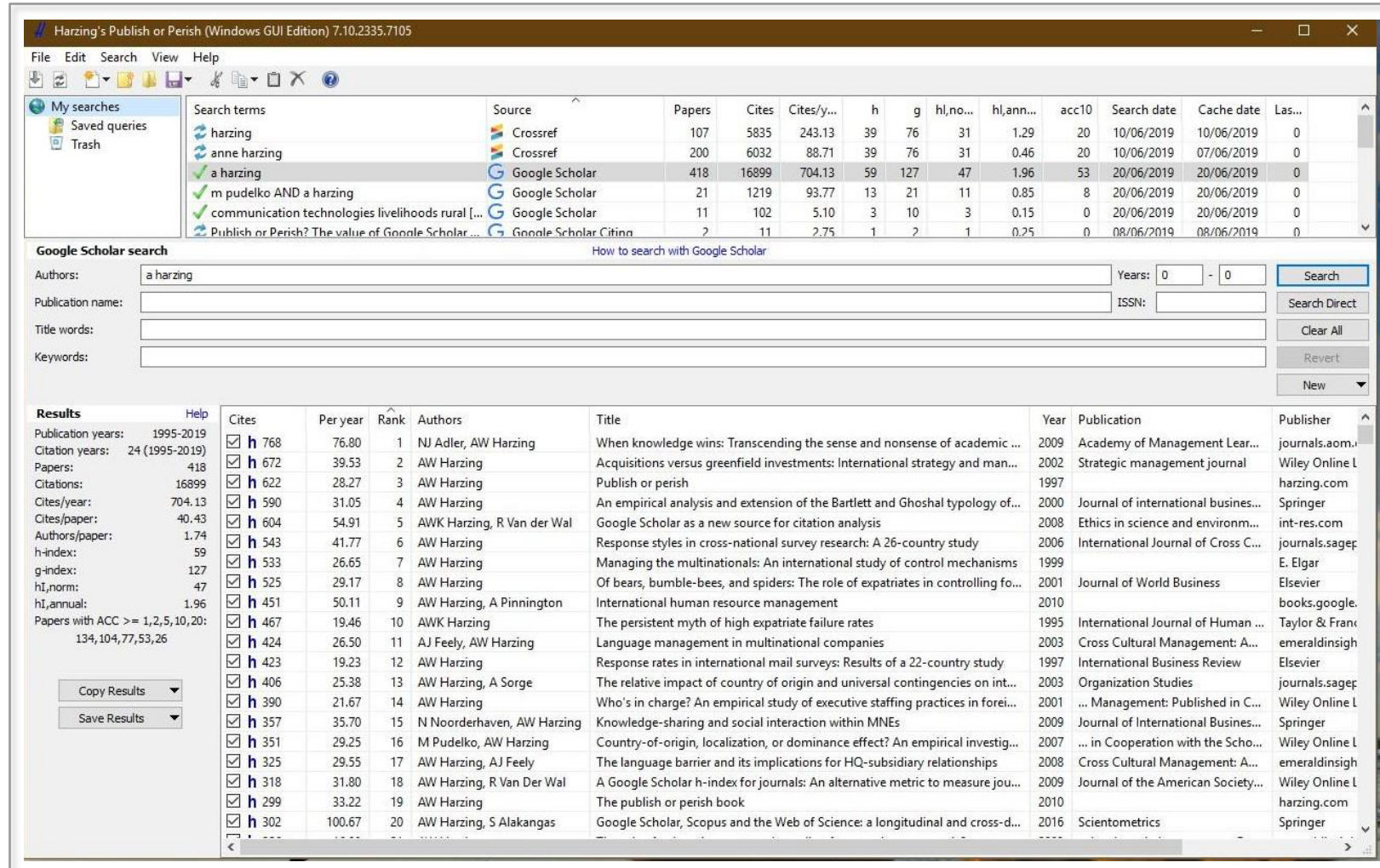
h-index

Measures the **productivity and citation impact of scientists** (working in the same field); can also be used for journals



The h -index is defined as the **maximum value of h** such that the given author/journal has published h papers that have each been cited at least h times.

Publish or perish



The screenshot displays the 'Harzing's Publish or Perish' software interface. The main window shows a search for 'a harzing' with various metrics and a list of results. The search results table is as follows:

Source	Papers	Cites	Cites/y...	h	g	hI,no...	hI,ann...	acc10	Search date	Cache date	Las...
Crossref	107	5835	243.13	39	76	31	1.29	20	10/06/2019	10/06/2019	0
Crossref	200	6032	88.71	39	76	31	0.46	20	10/06/2019	07/06/2019	0
Google Scholar	418	16899	704.13	59	127	47	1.96	53	20/06/2019	20/06/2019	0
Google Scholar	21	1219	93.77	13	21	11	0.85	8	20/06/2019	20/06/2019	0
Google Scholar	11	102	5.10	3	10	3	0.15	0	20/06/2019	20/06/2019	0
Google Scholar Citin	2	11	2.75	1	2	1	0.25	0	08/06/2019	08/06/2019	0

The 'Results' section on the left provides summary statistics for the search:

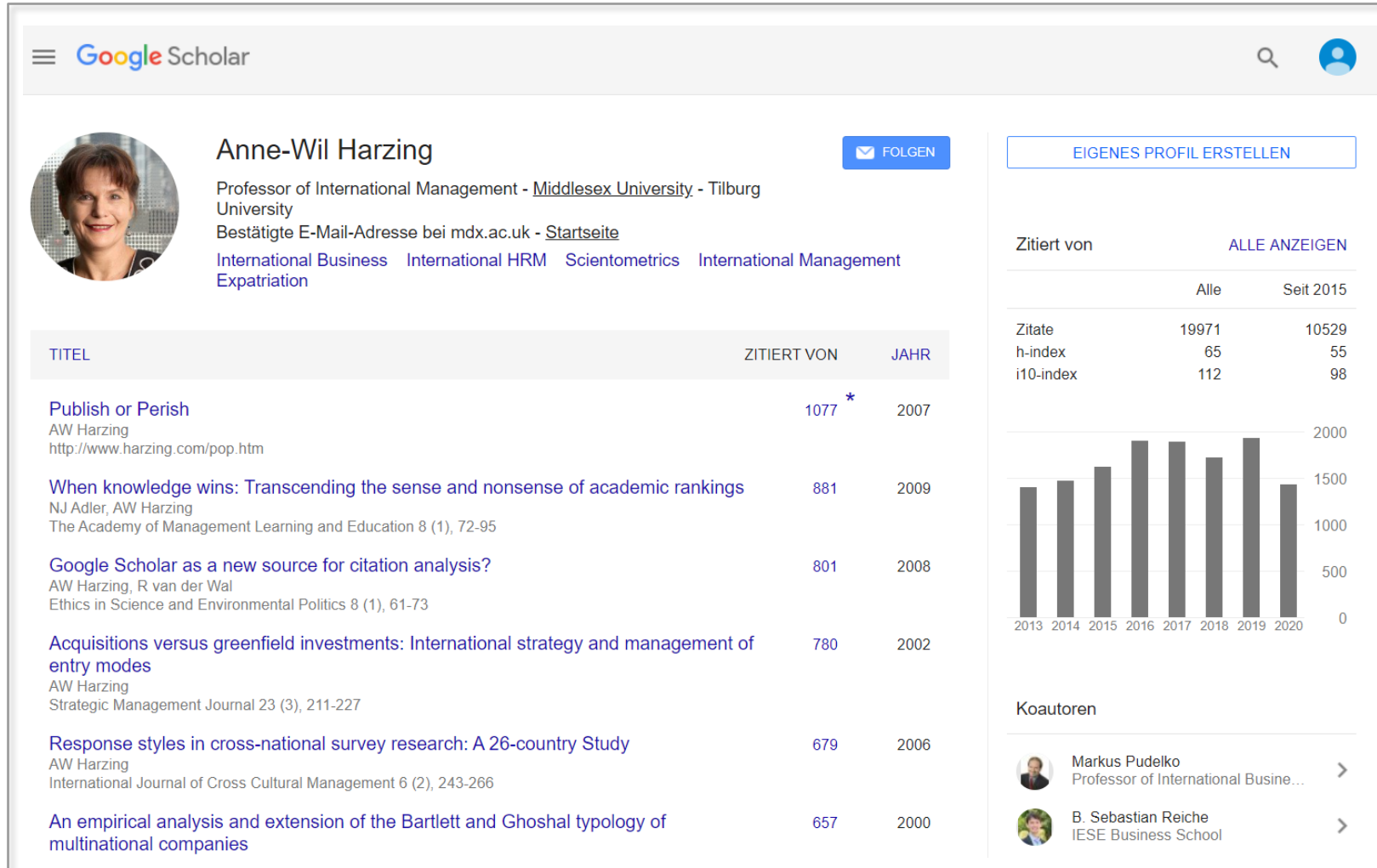
- Publication years: 1995-2019
- Citation years: 24 (1995-2019)
- Papers: 418
- Citations: 16899
- Cites/year: 704.13
- Cites/paper: 40.43
- Authors/paper: 1.74
- h-index: 59
- g-index: 127
- hI,normal: 47
- hI,annual: 1.96
- Papers with ACC >= 1, 2, 5, 10, 20: 134, 104, 77, 53, 26

The main results table lists individual publications with columns for Cites, Per year, Rank, Authors, Title, Year, Publication, and Publisher. The top results include:

- Rank 1: NJ Adler, AW Harzing. Title: When knowledge wins: Transcending the sense and nonsense of academic ... Year: 2009. Publisher: Academy of Management Lear...
- Rank 2: AW Harzing. Title: Acquisitions versus greenfield investments: International strategy and man... Year: 2002. Publisher: Strategic management journal
- Rank 3: AW Harzing. Title: Publish or perish. Year: 1997. Publisher: harzing.com
- Rank 4: AW Harzing. Title: An empirical analysis and extension of the Bartlett and Ghoshal typology of... Year: 2000. Publisher: Journal of international busines...
- Rank 5: AWK Harzing, R Van der Wal. Title: Google Scholar as a new source for citation analysis. Year: 2008. Publisher: Ethics in science and environm...

Publish or Perish is a software program that retrieves and analyzes academic citations

Google Scholar



The screenshot shows the Google Scholar profile for Anne-Wil Harzing. The profile includes a circular profile picture, her name, and her affiliation as Professor of International Management at Middlesex University - Tilburg University. A 'FOLGEN' button is visible. Below the profile information is a table of her publications with columns for 'TITEL', 'ZITIERT VON', and 'JAHR'. To the right of the profile is a section for 'EIGENES PROFIL ERSTELLEN' and a 'Zitiert von' section with a bar chart showing citation counts from 2013 to 2020. Below the chart is a 'Koautoren' section listing two co-authors: Markus Pudelko and B. Sebastian Reiche.

Anne-Wil Harzing [FOLGEN](#)

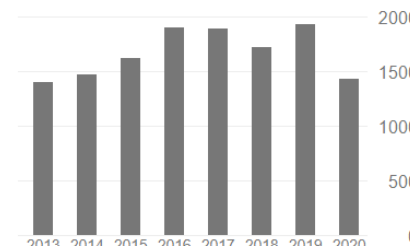
Professor of International Management - [Middlesex University](#) - Tilburg University
Bestätigte E-Mail-Adresse bei mdx.ac.uk - [Startseite](#)
[International Business](#) [International HRM](#) [Scientometrics](#) [International Management](#) [Expatriation](#)

[EIGENES PROFIL ERSTELLEN](#)

TITEL	ZITIERT VON	JAHR
Publish or Perish AW Harzing http://www.harzing.com/pop.htm	1077 *	2007
When knowledge wins: Transcending the sense and nonsense of academic rankings NJ Adler, AW Harzing The Academy of Management Learning and Education 8 (1), 72-95	881	2009
Google Scholar as a new source for citation analysis? AW Harzing, R van der Wal Ethics in Science and Environmental Politics 8 (1), 61-73	801	2008
Acquisitions versus greenfield investments: International strategy and management of entry modes AW Harzing Strategic Management Journal 23 (3), 211-227	780	2002
Response styles in cross-national survey research: A 26-country Study AW Harzing International Journal of Cross Cultural Management 6 (2), 243-266	679	2006
An empirical analysis and extension of the Bartlett and Ghoshal typology of multinational companies	657	2000



Zitiert von [ALLE ANZEIGEN](#)

	Alle	Seit 2015
Zitate	19971	10529
h-index	65	55
i10-index	112	98



Jahr	Zitate
2013	~1400
2014	~1450
2015	~1600
2016	~1850
2017	~1850
2018	~1650
2019	~1950
2020	~1450

Koautoren

-  **Markus Pudelko**
Professor of International Busine... >
-  **B. Sebastian Reiche**
IESE Business School >

You can also look for authors via Google Scholar (if they have a profile)

Welcome to SciVal



Overview

Get an overview of the research performance of an entity.

[Go to Overview >](#)



Benchmarking

Compare and benchmark entities to each other.

[Go to Benchmarking >](#)



Collaboration

Explore the collaboration network of Institutions, Countries and Researchers.

[Go to Collaboration >](#)



Trends

Dive deeper into an area of interest.

[Go to Trends >](#)



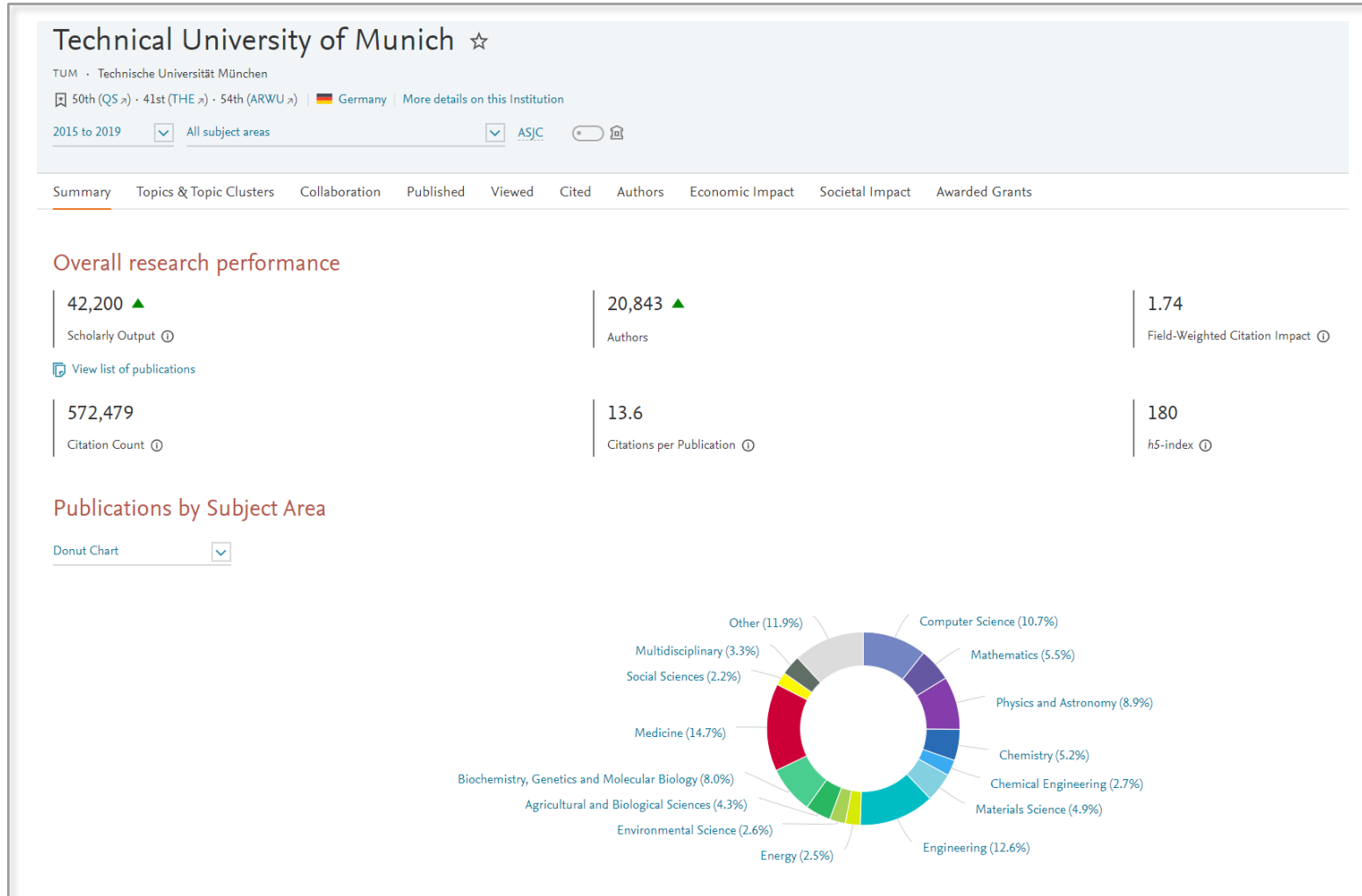
Reporting

Create, export and share custom reports.

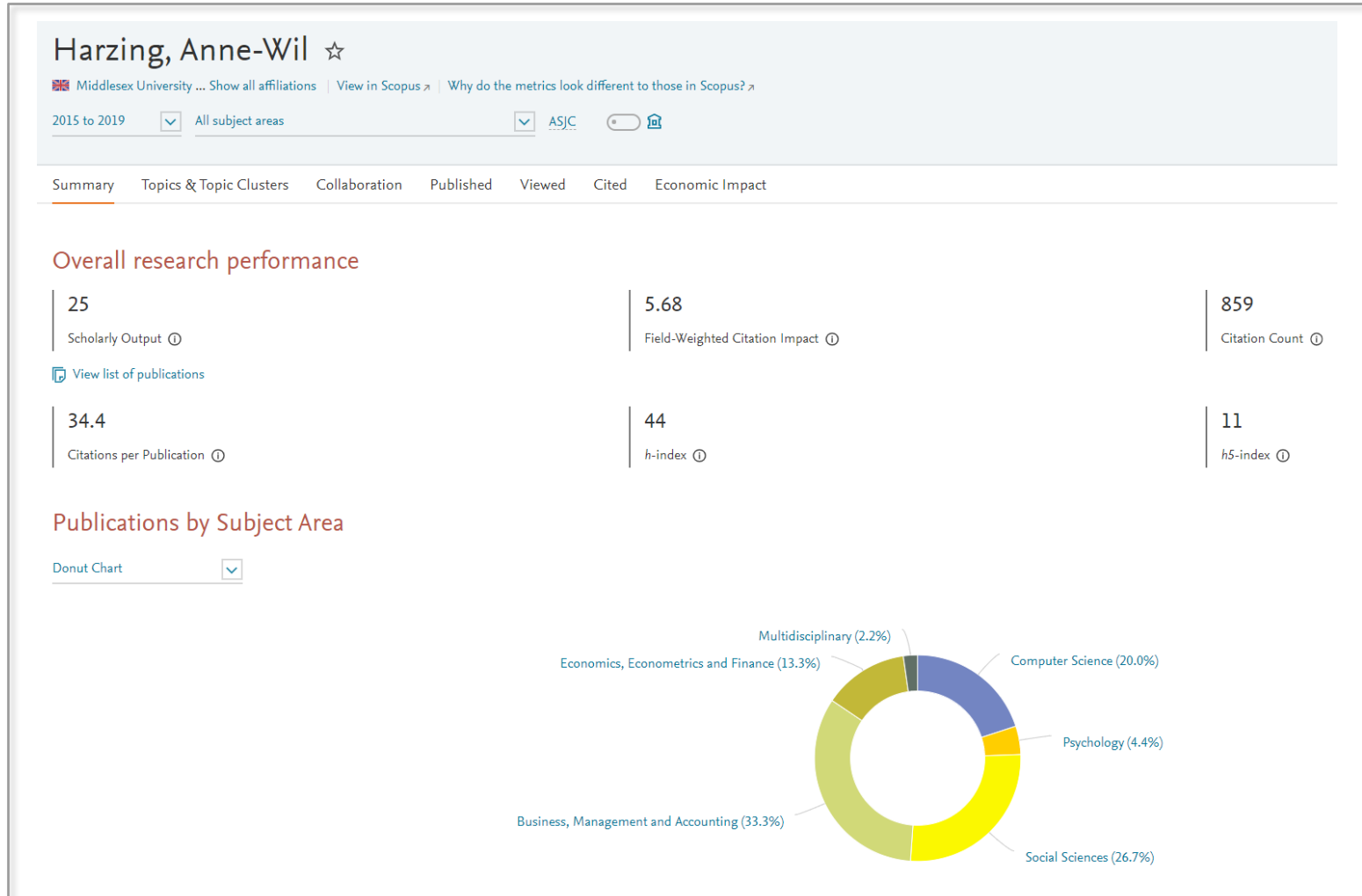
[Go to Reporting >](#)

SciVal is an online tool that offers quick, easy access to the **research performance of 18,900 research institutions and 231 nations worldwide using bibliometrics**. It enables users to **visualize research performance**, benchmark relative to peers, develop collaborative partnerships and **analyze research trends**. Based on the Scopus database.

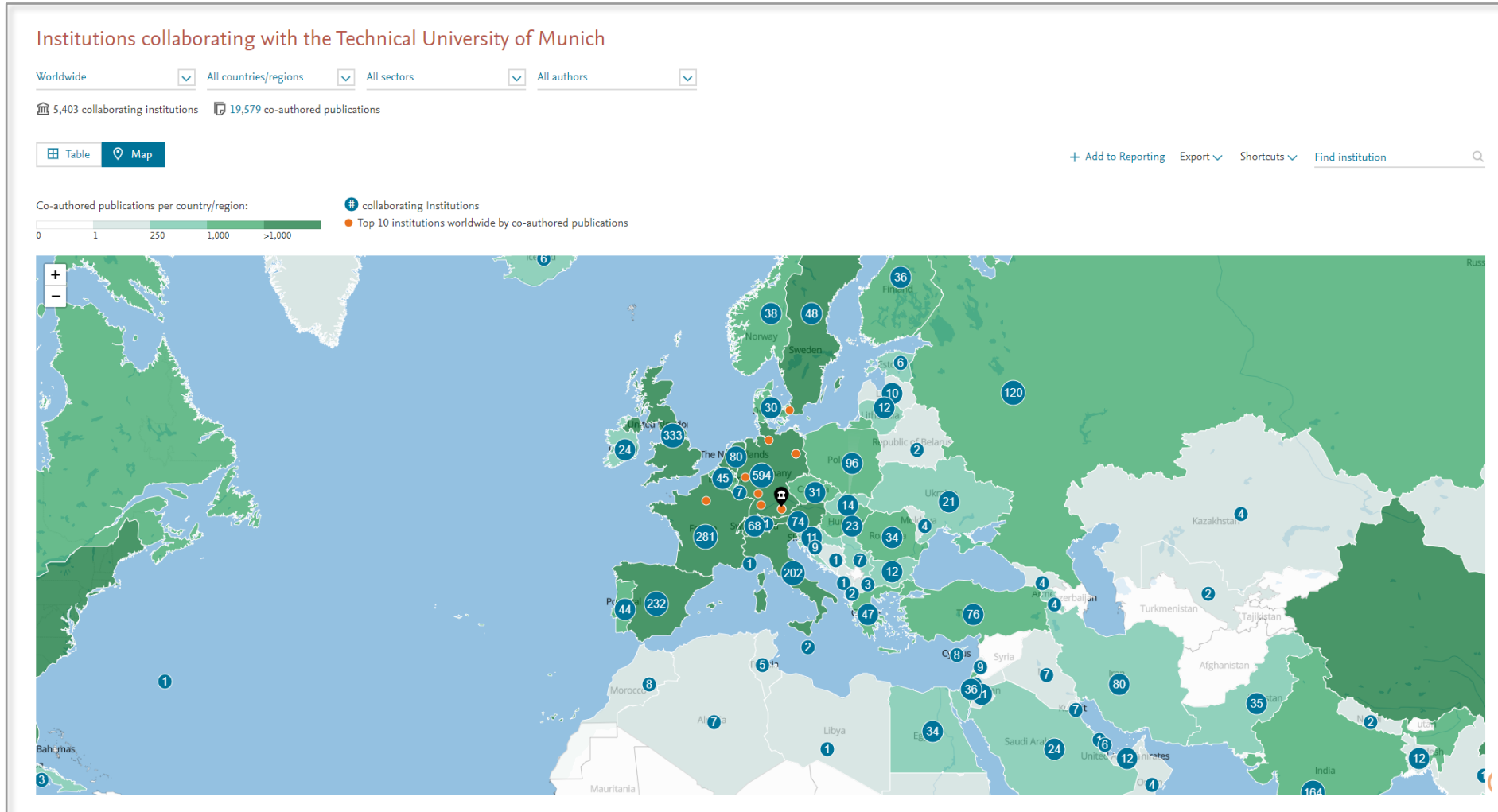
SciVal: Institutions



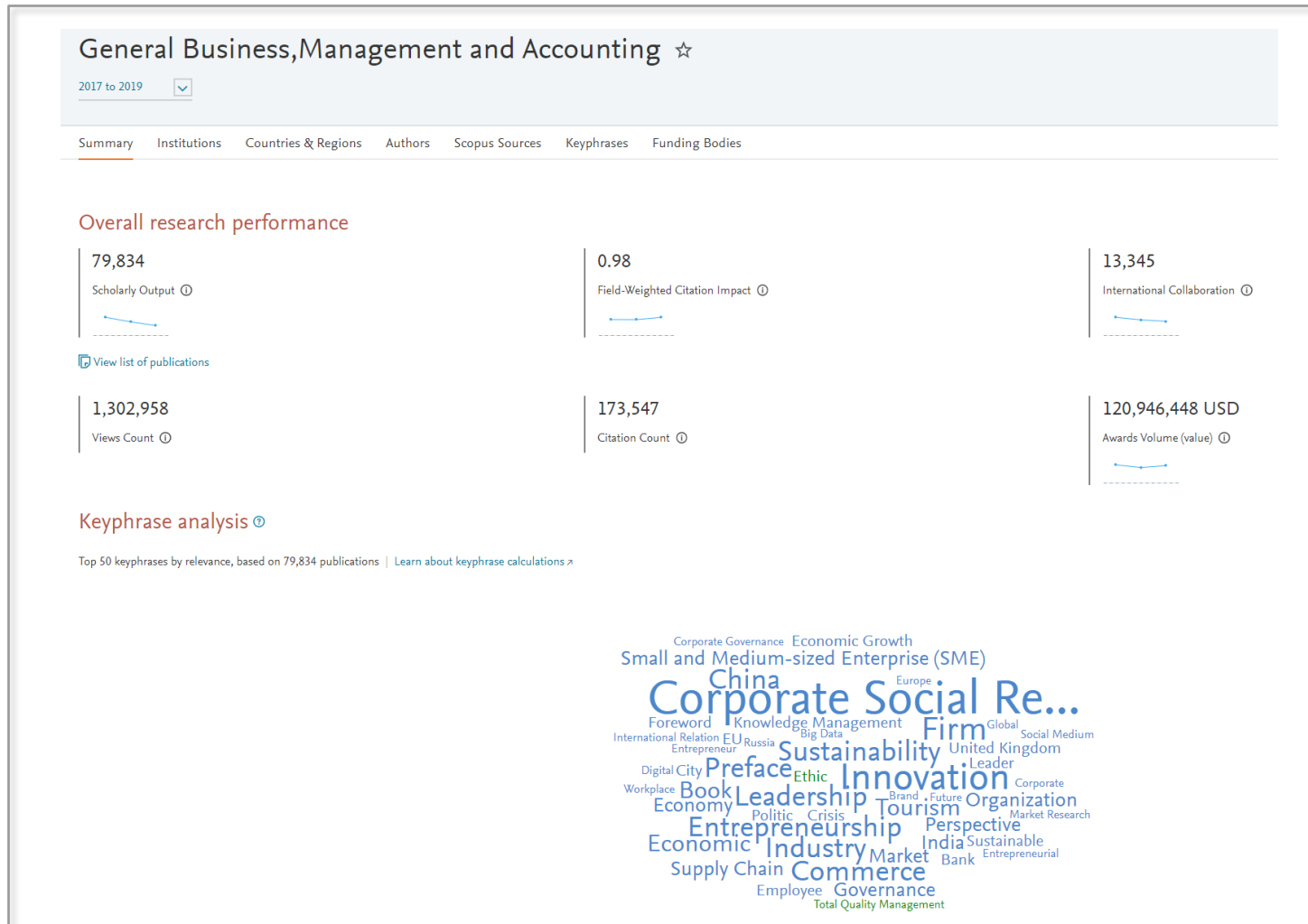
SciVal: Researchers



SciVal: Collaborations



SciVal: Trends



Expert survey: VHB JOURQUAL3

Complete List

Zeitschriften	ISSN	JQ3	Enthalten in Teiltrating(s)
4OR	1619-4500	C	OR
Abacus	0001-3072	B	BA-FI, STEU, RECH
Absatzwirtschaft	0001-3374	k.w.Z.	MARK
Academy of Management Annals	1941-6520	A	ABWL
Academy of Management Journal (AMJ)	0001-4273	A+	ABWL
Academy of Management Learning & Education	1537-260X	B	HSM, ORG / PERS
Academy of Management Perspectives	1558-9080	B	ABWL
Academy of Management Review (AMR)	0363-7425	A+	ABWL
Accountancy	0001-4664	D	RECH
Accounting and Business Research	0001-4788	B	STEU, RECH
Accounting and Finance	0810-5391	C	BA-FI, RECH
Accounting and the Public Interest	1530-9320	C	ÖBWL, RECH
Accounting Education: An International Journal	0963-9284	C	RECH

Altmetrics: Online attention

The screenshot shows the Altmetrics section of a scientific article page. The article title is "The COVID-19 social media infodemic" by Matteo Cinelli et al. The Altmetrics score is 51, which is circled in orange. The score is broken down into 28 tweets, 3 news outlets, and 2 Wikipedia pages. The page also shows 7249 article accesses, 0 Web of Science citations, and 9 CrossRef citations. The abstract discusses the diffusion of information about COVID-19 on various social media platforms.

scientific reports

Explore our content ▾ Journal information ▾

nature > scientific reports > articles > article

Article | Open Access | Published: 06 October 2020

The COVID-19 social media infodemic

Matteo Cinelli, Walter Quattrociochi, Alessandro Galeazzi, Carlo Michelini, Ana Lucia Schmidt, Paola Zola, Fabiana Zollo & Antonio Scala

Scientific Reports 10, Article number: 16598 (2020) | Cite this article

7249 Accesses | 9 Citations | 51 Altmetric Metrics

Abstract

We address the diffusion of information about the COVID-19 with Twitter, Instagram, YouTube, Reddit and Gab. We analyze engagement of the COVID-19 topic and provide a differential assessment on the evolution of the global scale for each platform and their users. We fit information spreading models characterizing the basic reproduction number R_0 for each platform. Moreover, we identify information spreading from questionable sources and volumes of misinformation in each platform. However, information spreading from questionable sources do not present different spreading patterns. We provide platform-dependent numerical estimates of rumors' amplification.

Access & Citations

7249 Article Accesses	0 Web of Science	9 CrossRef	Citation counts are provided from Web of Science and CrossRef. The counts may vary by service, and are reliant on the availability of their data. Counts will update daily once available.
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Online attention

51

- 28 tweeters
- 3 news outlets
- 2 Wikipedia page
- 525 Mendeley

This article is in the 94th percentile (ranked 12,787th) of the 253,558 tracked articles of a similar age in all journals and the 94th percentile (ranked 1st) of the 18 tracked articles of a similar age in *Scientific Reports*

View more on Altmetric

Mentions in news and blogs

Covid-19 and Social Media Medium US	This list highlights individual mainstream news articles and blogs that cite the article. Not all news and blogs link to articles in a way that Altmetric can pick up, so they are not representative of all media. Altmetric are responsible for the curation of this list and provide updates hourly.
A guide to overcoming COVID-19 misinformation National Geographic	
A guide to overcoming COVID-19 misinformation MSN	

Altmetrics measure scholarly impact (often article-level) based on diverse online research output, such as social media, online news media, online reference manager, etc

FAZ Economist Ranking

F.A.Z.-ÖKONOMENRANKING

Deutschlands einflussreichste Ökonomen

Wer hat Gewicht in Medien, Forschung und Politik? Hier sind die ausführlichen Ergebnisse des F.A.Z.-Ökonomenrankings 2020. Und so haben wir gerechnet.

Gesamtwertung		Medien		Politik		Social Media		Wissenschaft		Errata		
Rang	Vorjahr	Name	Institution	Punkte	Medien Zitate	Medien Punkte	Politik Score	Politik Punkte	Social Media Score	Social-Media-Punkte	Wissenschaft Zitate	Wissenschaft Punkte
1	1	Ernst Fehr	Uni Zürich	504	17	4,1	0	0,0	0	0,0	15810	500,0
2	2	Clemens Fuest	Ifo München	498	1047	250,0	132	200,0	31	36,0	384	12,1
3	4	Marcel Fratzscher	DIW Berlin	343	536	128,0	67	101,5	43	50,0	2008	63,5
4	9	Lars Feld	Walter Eucken Freiburg	339	430	102,7	119	180,3	21	24,4	996	31,5
5	16	Jens Südekum	DICE Düsseldorf	229	158	37,7	84	127,3	40	46,5	559	17,7
6	10	Gabriel Felbermayr	IfW Kiel	229	487	116,3	39	59,1	24	27,9	804	25,4
7	3	Hans-Werner Sinn	Ifo München	222	221	52,8	85	128,8	21	24,4	509	16,1
8	14	Michael Hüther	IW Köln	209	404	96,5	55	83,3	24	27,9	30	0,9
9	5	Bruno Frey	Uni Basel	193	14	3,3	0	0,0	0	0,0	5992	189,5
10	7	Ottmar Edenhofer	PIK Potsdam	165	123	29,4	10	15,2	0	0,0	3805	120,3
11	6	Ferdinand Dudenhöffer	CAR Duisburg	150	573	136,8	4	6,1	6	7,0	6	0,2
12	23	Sebastian Dullien	IMK Düsseldorf	148	152	36,3	44	66,7	38	44,2	37	1,2
13	12	Armin Falk	Briq Bonn	148	12	2,9	0	0,0	0	0,0	4576	144,7

Overview: Systematic Literature search

1. Types of publications

- Periodicals (journals, annals, newspapers)
- Books (monographs, editions)
- Official publications, Internet pages, ...

2. Literature sources

- Journal data bases: e.g., Google Scholar; EBSCO Business Source Premier
- Library catalogues: e.g., OPAC

3. Process of literature research

- Start early
- Do it systematically

4. Documentation and Management (e.g., Word, Excel, EndNote, ...)

Online Research: Tips for Effective Search Strategies



Select keywords

Topic



Keywords

Keyword
"abusive leader"
"abusive leadership"
"abusive management"
"abusive manager"
"abusive supervision"
"abusive supervisor"
"authoritarian leader"
"authoritarian leadership"
"authoritarian management"
"authoritarian manager"
"authoritarian supervision"
"authoritarian supervisor"
"autocratic leader"
"autocratic leadership"
"autocratic management"
"autocratic manager"
"autocratic supervision"
"autocratic supervisor"

Keyword
"aversive leader"
"aversive leadership"
"aversive management"
"aversive manager"
"aversive supervision"
"aversive supervisor"
"bad leader"
"bad leadership"
"bad management"
"bad manager"
"bad supervision"
"bad supervisor"
"corporate psychopath"
"corporate psychopathy"
"corrupt leader"
"corrupt leadership"
"corrupt management"
"corrupt manager"
"corrupt supervision"

Define time frames

Date of publication

2000-2021

Research period

March 2021

Define data bases

Database	Database	publications
Springer	Springer	52
Wiley	Wiley	51
Elsevier	Elsevier	49
psycnet.apa.c	PsycNet	41
journals.sagep	Sage	40
Taylor & Franc	Taylor & Franc	21
journals.aom.	Academy of M	15
Emerald	Emerald	10
IAP	IAP	10
Routledge	Routledge	9
Gower	Gower	7
Oxford Univer	Oxford Univer	4
AuthorHouse	AuthorHouse	3
Cambridge Ur	Cambridge Ur	3
search.proque	ProQuest	3

Define (journal) inclusion criteria

Journal	FT50 (2020)	Impact Factor	VHB-Ranking
Academy of Management Annals		12,60	A
Academy of Management Journal	X	11,19	A+
Academy of Management Learning & Education		1,89	B
Academy of Management Perspectives		3,65	B
Academy of Management Review	X	7,48	A+
Accounting Horizons		1,17	
Accounting Review		5,45	
Accounting, Auditing and Accountability Journal		1,46	B
Accounting, Organizations and Society	X	1,92	
Administration & Society		1,01	C
Administrative Science Quarterly	X		A+
Advances in Strategic Management		1,12	C
Aggressive Behavior		1,29	
AIDS and Behavior		1,78	
AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV		1,08	
American Economic Review	X		A+
American Psychologist		1,72	
American Review of Public Administration		1,30	C

criteria

FT 50 = Yes

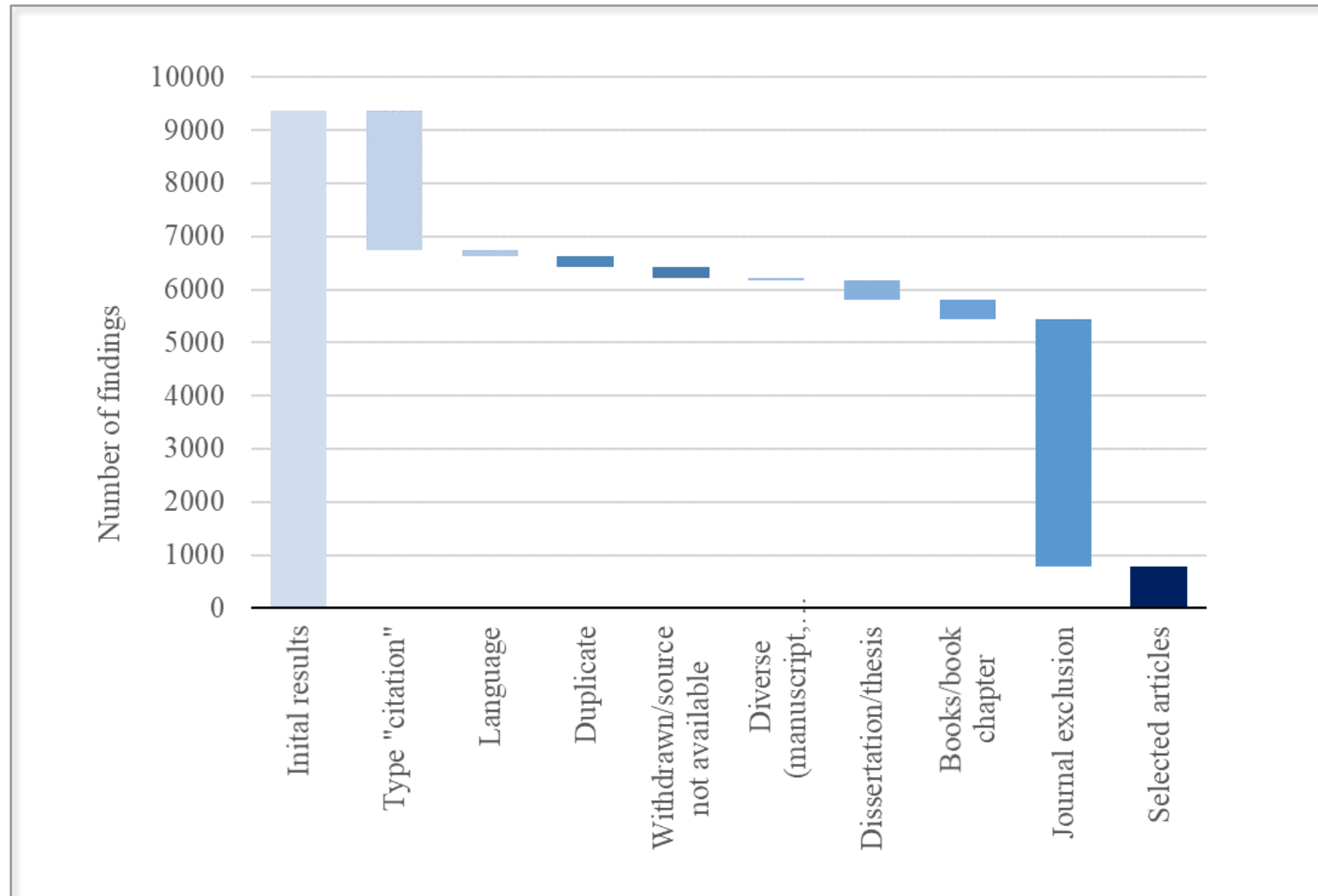
ImpFactor > 1

VHB A+, A, A/B, B

Define (article) exclusion criteria

	initial	loop2	loop3	total	findings	citation	language	doublet	withdrawn	diverse	dissertation/thesis	books/book-chapter	journal	exclusion
Initial results	8252	1007	109	9368	9368									9368
Type "citation"	-2528	-70	-25	-2623	6745	2623								-2623
Language	-102	-17	0	-119	6626		119							-119
Duplicate	-177	-26	-1	-204	6422			204						-204
Withdrawn/source not available	-206		-1	-207	6215				207					-207
Diverse (manuscript, report,...)	-29	-1	-2	-32	6183					32				-32
Dissertation/thesis	-334	-43	-7	-384	5799						384			-384
Books/book chapter	-309	-51	-3	-363	5436							363		-363
Journal exclusion	-3813	-772	-57	-4642	794								4642	-4642
Selected articles					794									794

Define (article) exclusion criteria



Analyze and document the articles

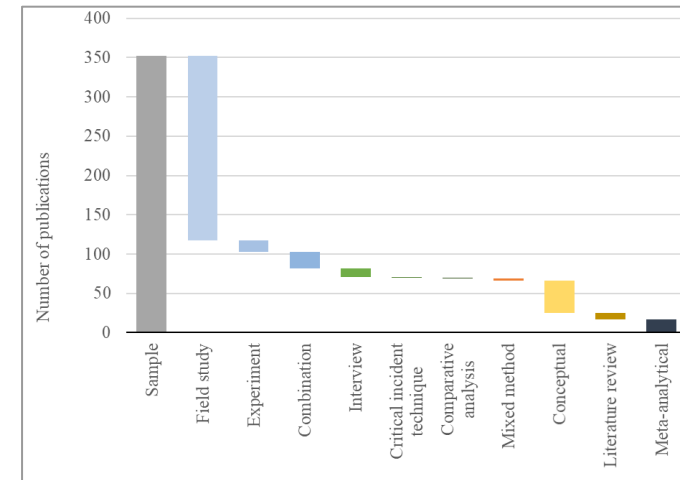
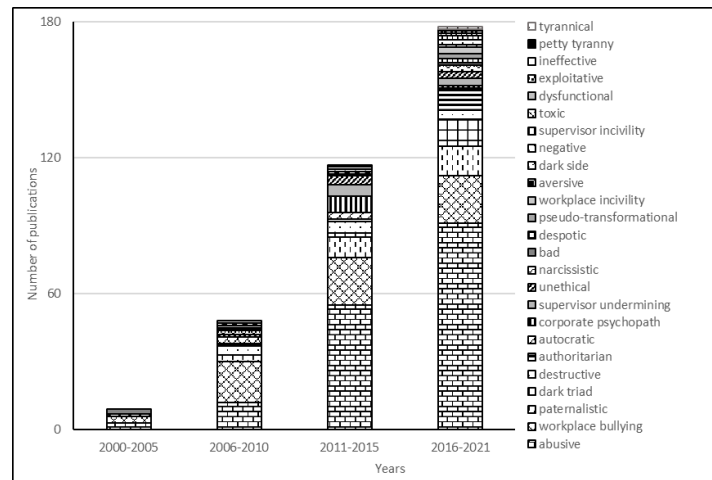
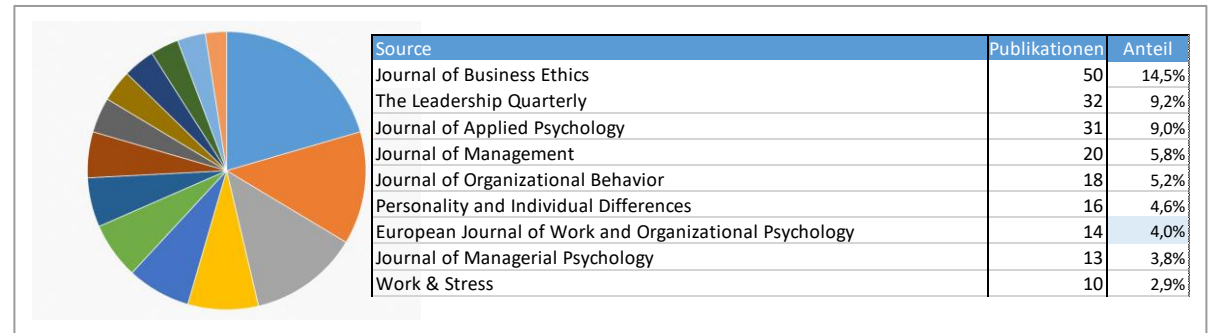
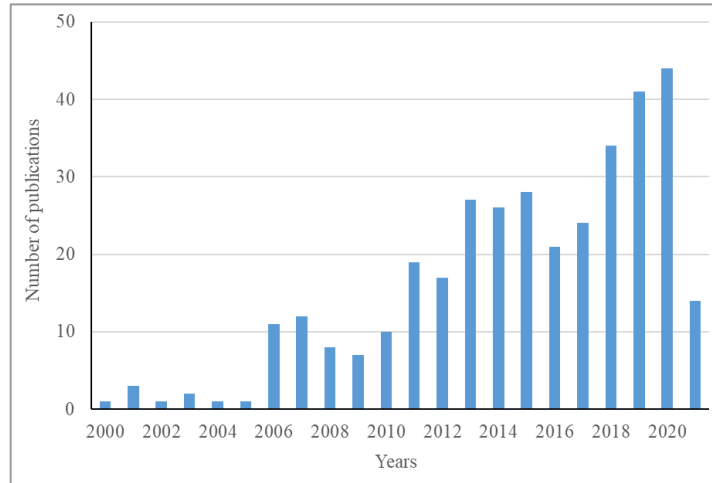
(See excel template as example on Moodle)

- File name
- Year
- Authors
- Article title
- Journal
- Ranking
- Abstract
- Key finding (in 1 sentence!!)

Most important

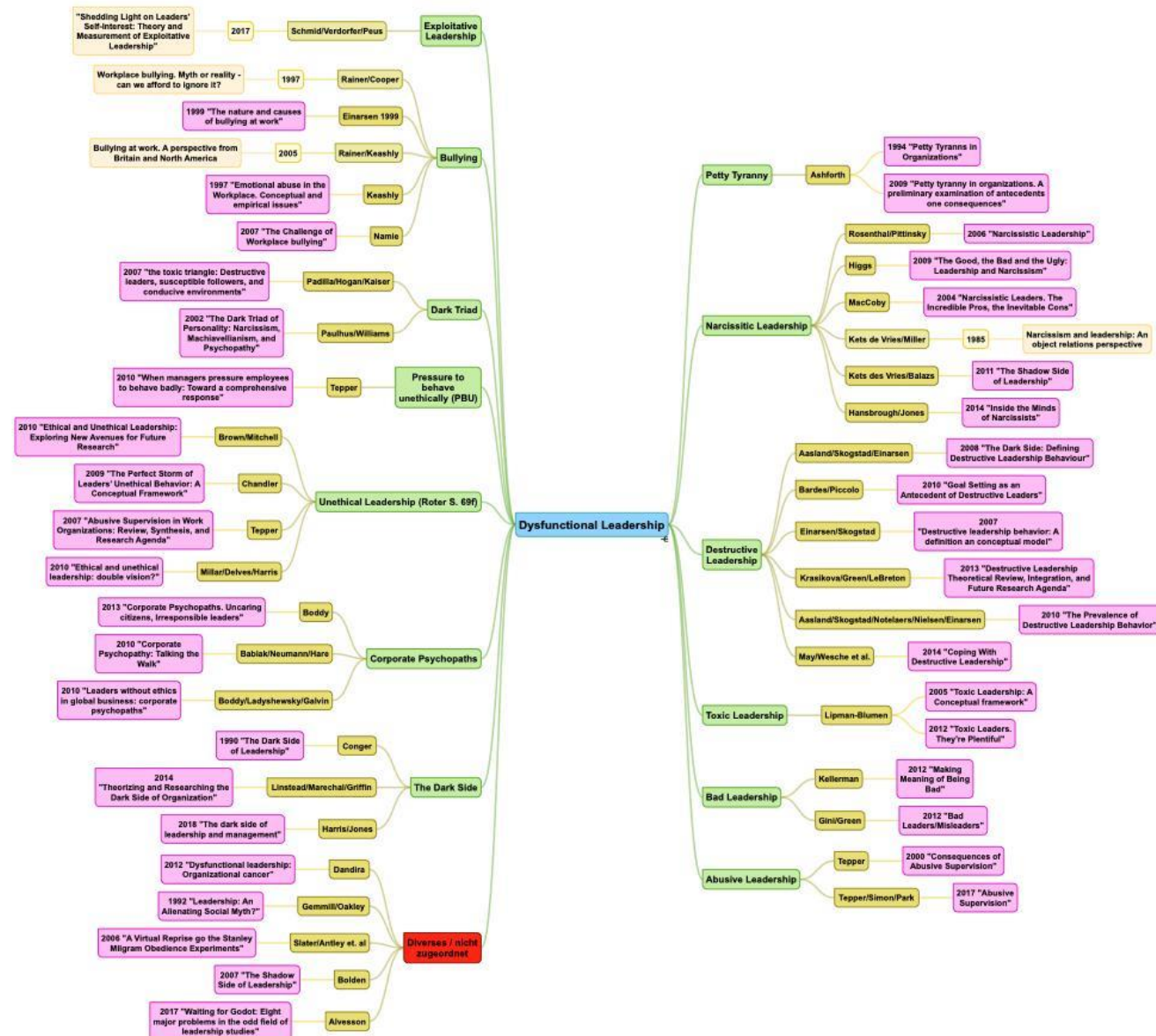
- Method
- Research gaps addressed
- Research question(s)
- (If applicable) hypothesis/propositions
- IV
- DV
- Moderators/Mediators
- Results
- Weaknesses in Theory, Method, Sample, Analysis, Interpretation, etc. → in the article and your own!
- Recommendations for future research → in the article and your own!

Describe your results

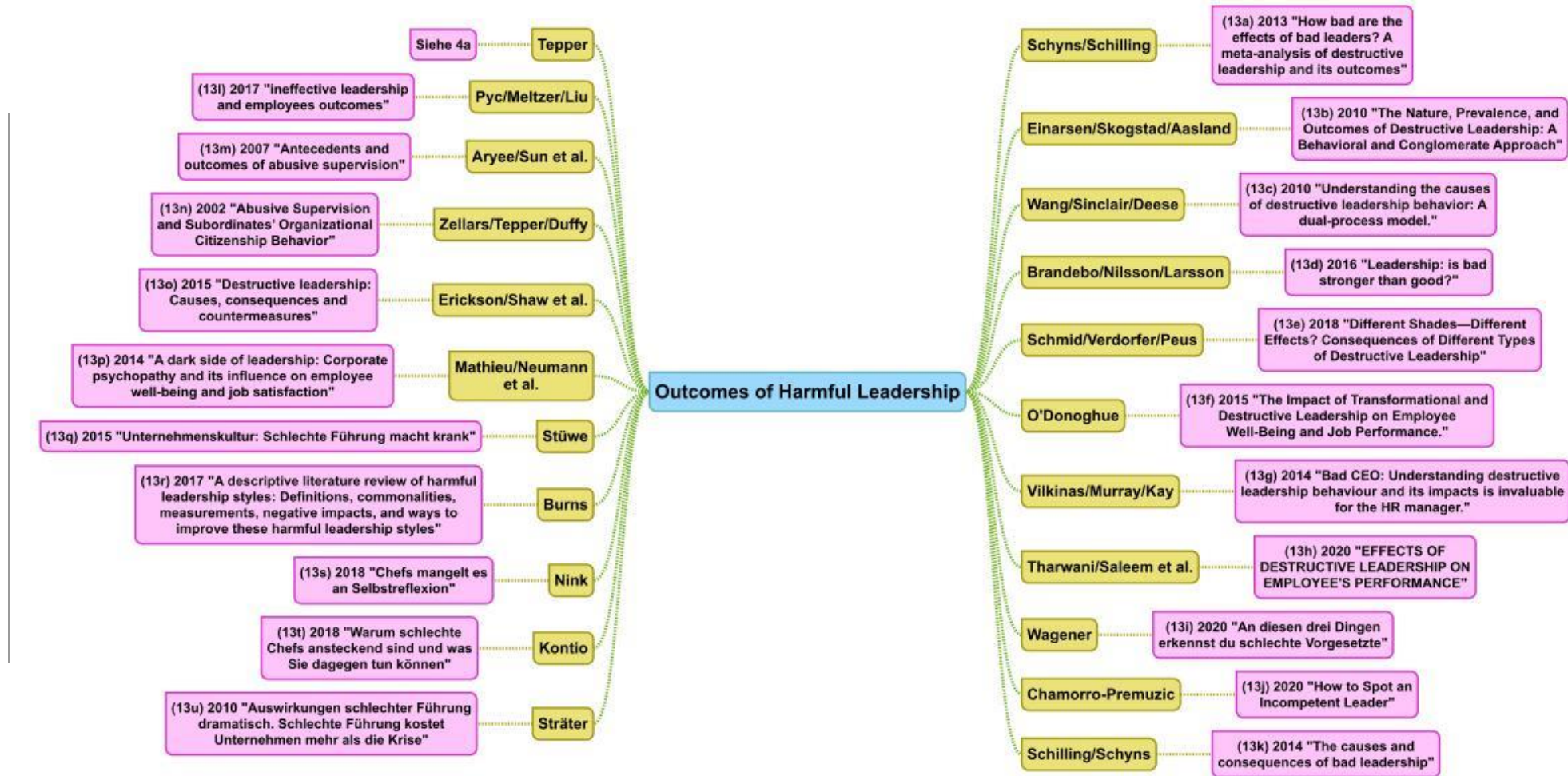


Synthesize your results (e.g., with a mindmap)

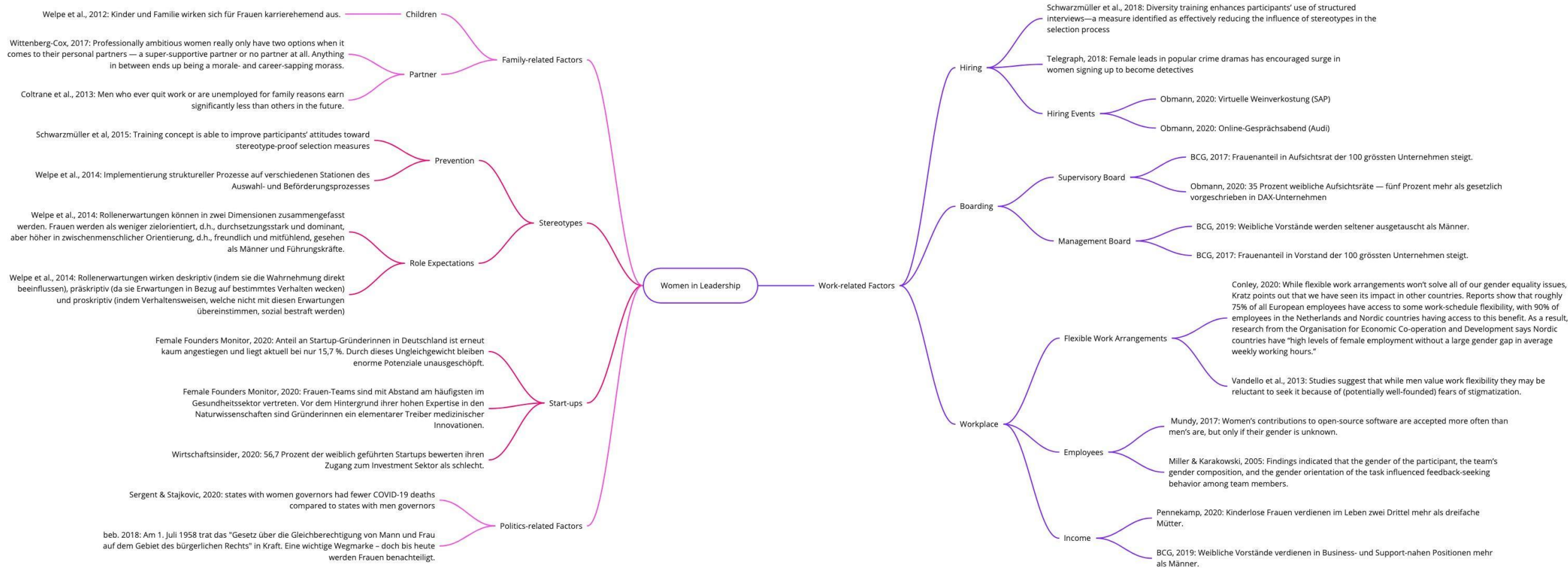
Mindmap Example (1/2)



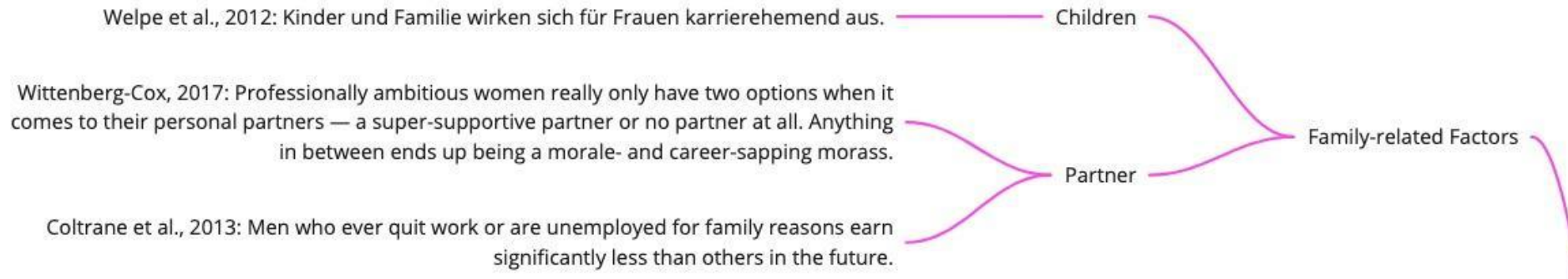
Mindmap Example (1/2)



Focus on the key result



Focus on the key result



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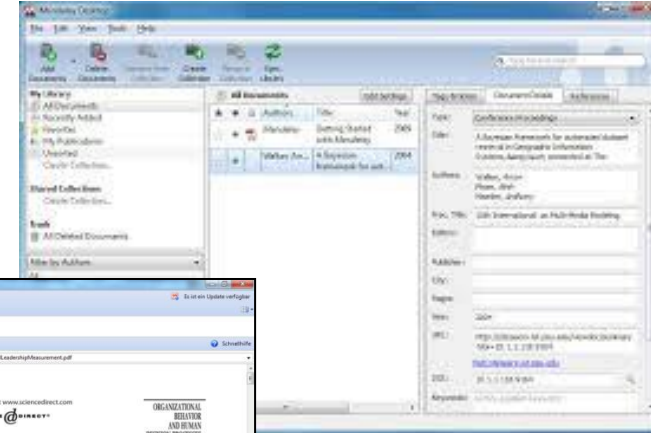
4. Documentation and Management (e.g., Word, Excel, EndNote, ...)

Literature management

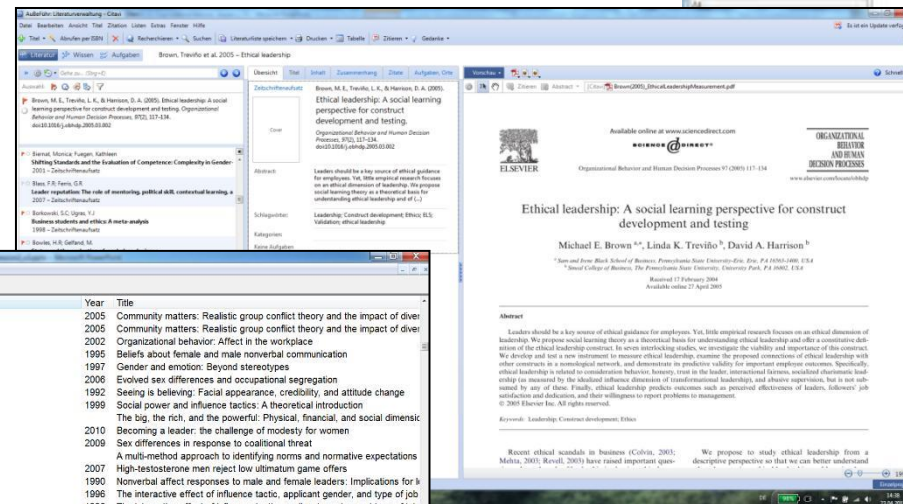
- Use a **literature management program** to create your reference list for your paper
- Three literature management **programs available from TUM** (via Leibnitz-Rechenzentrum):
 - Endnote
 - Citavi
 - Mendeley
- Import your literature into those programs and they will **create the reference list in APA-style for you**
- **But watch out!!!** Sometimes these programs make mistakes, so **be sure to manually check** whether your reference list is accurate and done according to current APA citation rules

Literature management

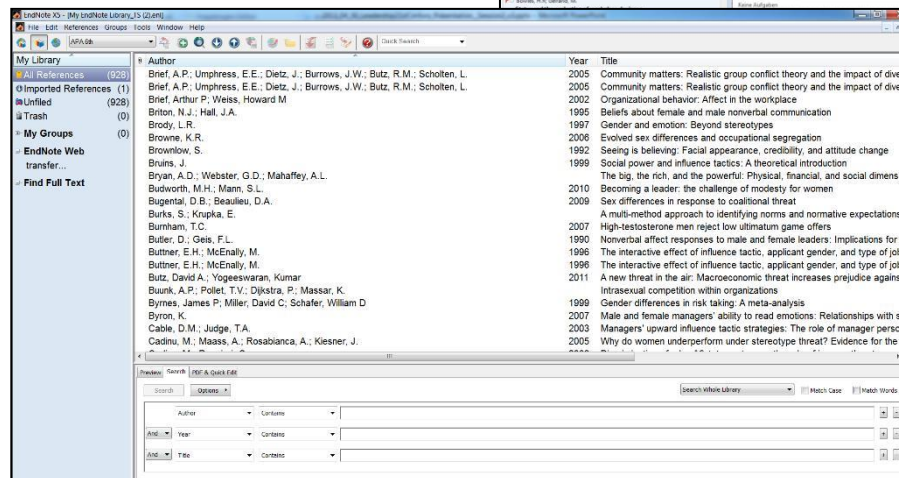
Mendeley



Citavi



Endnote



Results

Systematic literature search



Analysis of literature




Summary of the state of research and max. 5 key articles



Derive relevant research gaps

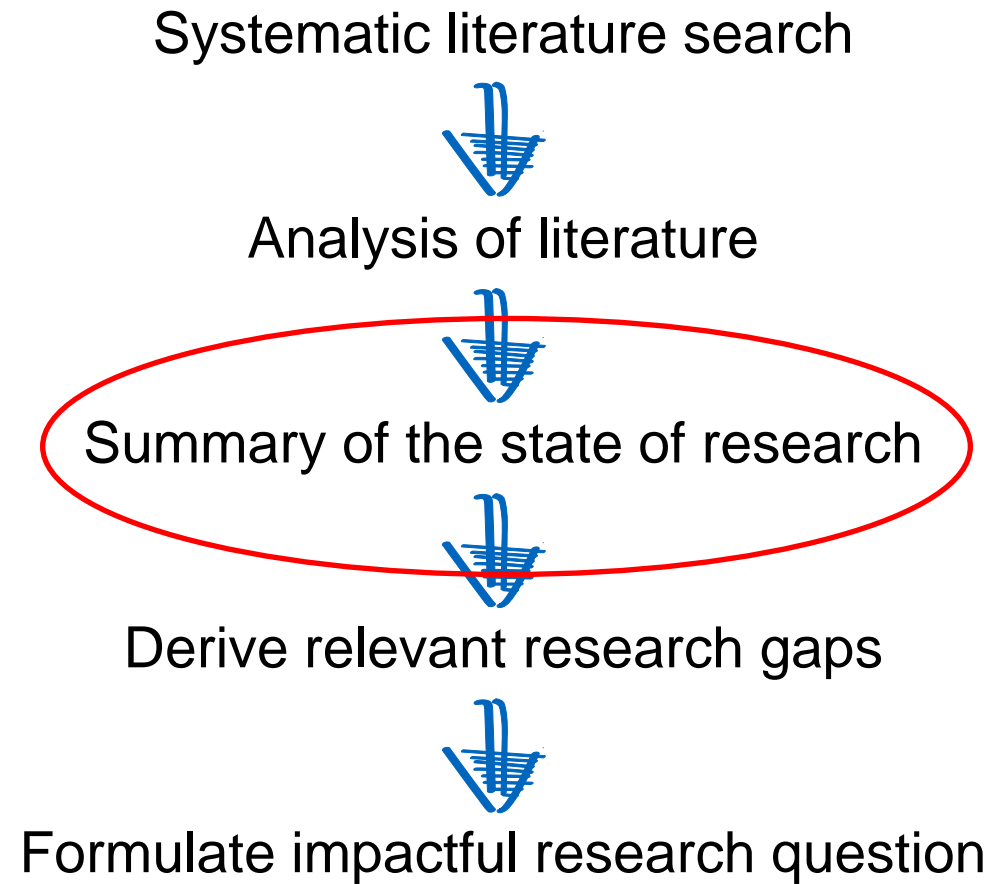


Formulate impactful research question



Your systematic literature search

Your presentation



What a literature review...



Remember this?

...IS NOT

- a summary or an abstract of articles.
- an annotated bibliography, describing every single publication in detail and one after another.
- a collection of every single work that has ever been done on your research topic.

... IS

- an analysis and **synthesis** of primary source materials, written in a specific style which flows from broad to narrow, and takes into account both the theoretical and empirical issues of the problem without over citing any source or sources.
- organized around ideas and topics (not authors!) and specific to the topic and the hypotheses.

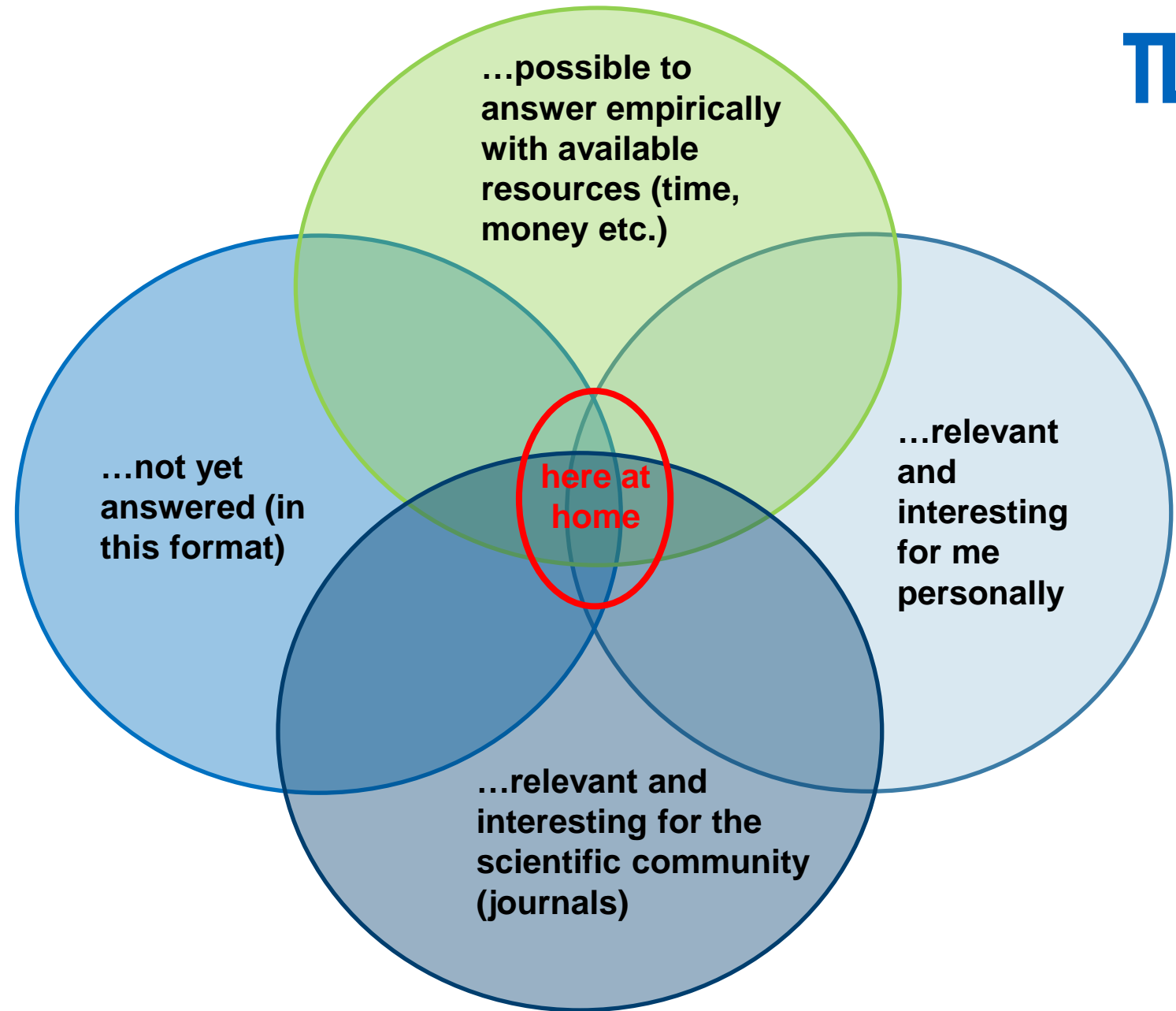
Defining research gaps and their relevance

What is it that we do not know (yet) about your research topic?

Why / for whom is it relevant to close these gaps?

 Research gap(s) lead to research question(s)

**A good
research
question is...**



Good research questions

Are they answering the research question(s)?

Are they asking (a) relevant research question(s)?

Yes/Yes	Yes/No
No/Yes	No/No

Is my research question important?

Not important

- The answer is already known
- The manipulations are likely to have only small effects, if any
- Effects have no theoretical interest (they have no impact on our evaluation of the theory)
- No reason to believe the variables studied are related in any way

Important

- Will the answer improve our understanding of a behavioural system?
- Will the answer help us choose between competing theories?
- Will this help us develop a practical application to solve a problem?