

Citations and Altmetrics of Scholarly eBooks Included in Proquest's ebrary



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Proquest's ebrary (now part of eBook Central)

- “**ebrary** (the "e" is lower case) is an online digital library of full texts of over 100,000 scholarly e-books. It is available at many academic libraries and provides a set of online database collections that combine scholarly books from over 435 academic, trade, and professional publishers.”
From Wikipedia
- In 2015 it included about 70,000 titles.
 - Literature (e.g The Great Gatsby, The Canterbury Tales), but also scholarly books



PlumX



- PlumX Metrics provide **insights into the ways people interact with individual pieces of research output** (articles, conference proceedings, book chapters, and many more) in the online environment. Examples include, when research is mentioned in the **news** or is **tweeted** about. Collectively known as PlumX Metrics, these metrics are divided into **five categories**:
 - Usage (clicks, downloads, views, library holdings, video plays)
 - Captures (bookmarks, favorites, readers)
 - Mentions (blog posts, comments, reviews, Wikipedia links, news media)
 - Social media (likes, shares, tweets)
 - Citations (Scopus, patent citations or policy citations)

Altmetrics Top 100

Artifact Summary

- 365 Article
- 25 Review
- 5 Guideline
- 4 Retraction
- 1 Correction

Researchers

No Researchers.

[+ Add Existing Researcher](#) [+ Add New Researcher](#)

[+ Add Subgroup](#)

[All \(400\)](#)
[Article \(365\)](#)
[Review \(25\)](#)
[Guideline \(5\)](#)
[Retraction \(4\)](#)
[Correction \(1\)](#)

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Impact by Type: All



Year	Title	Type	All				
			Captures	Citations	Social Media	Mentions	Usage
2018	Human commensals producing a novel antibiotic impair pathogen colonization.	Article	699	105	2161	28	1291
2018	Biological annihilation via the ongoing sixth mass extinction signaled by vertebrate population losses and declines.	Article	928	68	4523	273	
2018	Report of Partial findings from the National Toxicology Program Carcinogenesis Studies of Cell Phone Radiofrequency Radiation in Hsd: Sprague Dawley® SD rats (Whole Body Exposure)	Article	80	9	108	23	6

Dataset

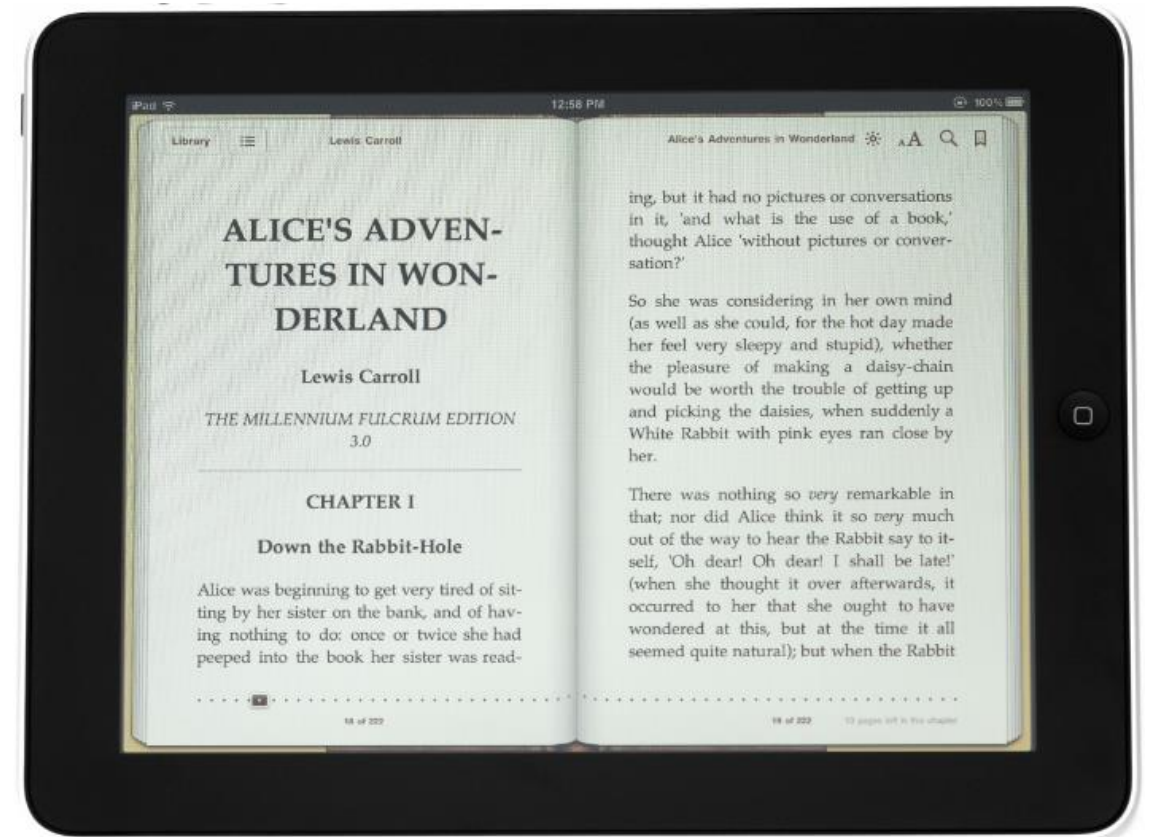
- From the June 2015 dataset with PlumX altmetrics, we extracted 2,444 books which had Scopus citations in 2015
 - Assumption: If a book has citations recorded on Scopus, it must be a scholarly publication
 - Excluded scholarly books not covered by Scopus and books indexed by Scopus but not cited by 2015
- For this dataset we gathered altmetric counts again from PlumX in May 2018

eBook categories

- The 2,444 books with DOIs were categorized into three large categories (based on the category assigned by Scopus)
- Arts & Humanities (AH)
- Social Science (SSCI)
 - Includes the following Scopus categories: social science, psychology, economics and business management
- All others (SCI)
 - Includes the following Scopus categories: all science categories, medicine, health and engineering
- Sometimes a book is assigned to more than one category
- Obvious mistakes in the Scopus categories were corrected

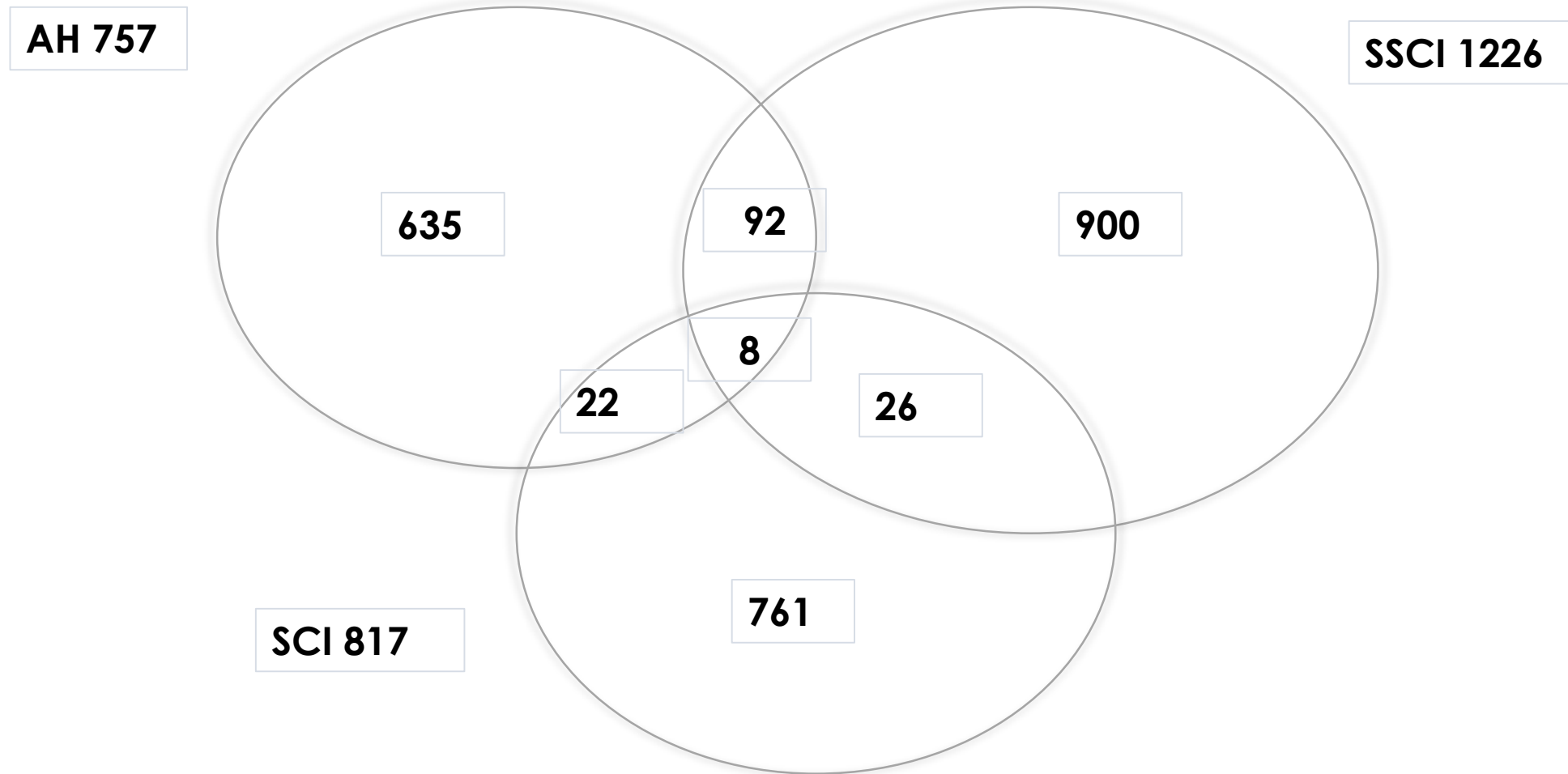
Research questions

- How many books are categorized in each category?
- What are ebooks citation counts on Scopus?
 - 2015 & 2018
- Which altmetrics have reasonable coverage?
 - 2015 & 2018



<https://pxhere.com/en/photo/1387075>

2444 eBooks by large subjects



Scopus citations 2018

- Because the overlaps are small, we consider pure categories only (AH, SSCI & SCI)

	No. books	Scopus citations		Average citations per books	
		2015	2018	2015	2018
AH	635	17,289	28,985	27.2	45.6
SSCI	900	20,497	42,724	22.8	47.5
SCI	761	28,959	68,797	38.1	90.4

Mendeley readers 2015 & 2018

	No. books	Mendeley readers		Average no. of readers per book	
		2015	2018	2015	2018
AH	635	10,492	27,976	16.5	44.1
SSCI	900	18,634	65,865	17.2	76.4
SCI	761	18,624	65,865	24.5	86.6



What are your friends reading? Chances are your friends are discussing their favorite (and least favorite) books on Goodreads

GoodReads 2015 & 2018

	No. books	GoodReads		Average no. of GoodReads per book	
		2015	2018	2015	2018
AH	635	30,569	48,562	47.8	76.5
SSCI	900	65,346	97,631	72.6	108.5
SCI	761	5,772	10,153	7.6	13.3

Worldcat libraries holding the book/ebook

	Average no. of libraries holdings per book in category		Maximum no. of libraries holdings per book in category	
	2015	2018	2015	2018
AH	424.4	1,804.9	2,281	8,976
SSCI	336.6	1,484.6	6,430	11,002
SCI	410.0	2,092.6	1,442	15,418

72,000 member libraries from 170 countries (Wikipedia)
In our sample only two books published in 2015

Tweets and Wikipedia 2015 & 2018

- The academic groups in are sample had very small tweet counts, they were referenced more often on Wikipedia
- There was very little growth in the number of tweets, and considerable growth in Wikipedia mentions

	Tweets		Wikipedia	
	2015	2018	2015	2018
AH	70	147	904	1,612
SSCI	25	25	580	1,004
SCI	27	34	274	548

Percentage growth in average/book between 2015 and 2018

	Citations	Mendeley	Goodreads
AH	68%	167%	60%
SSCI	108%	244%	109%
SCI	137%	253%	75%

“Mosts”

Category	Title	First author	Cits. Sc	Cis. GS	M	GR
Citations						
AH	Music, Language, and the Brain	Patel	721	1,928	367	5,040
SSCI	The Neuropsychology of Anxiety	Gray	2,553	42	139	474
SCI	Principles of Fluorescence Spectroscopy	Lakowicz	10,971	37,201	7,266	70
M						
AH	Michel Foucault	O'Farrel	131	2	761	63
SSCI	Playing Video Games: Motives, Responses, and Consequences	Vorderer	44	317	1,448	26
SCI	Principles of Fluorescence Spectroscopy	Lakowicz	10,971	37,201	7,266	70
GR						
AH	Music, Language, and the Brain	Patel	721	1,928	367	5,040
SSCI	The Federalist with Letters of “Brutus”	Hamilton	31	31	32	72,489
SCI	Networks: An Introduction	Newman	4,058	8,433	1,269	722

Summary

Academic books/ebooks are

- Cited in journals
- Receive altmetric scores
 - Attention both from academia and from the wider public
- Additional studies are needed to see the usefulness of altmetrics in evaluating scholarly books