

5.8.6 Example 7: Outputs in Top Citation Percentiles

Scenario: The user would like to calculate the Outputs in the Top Citation Percentiles of an entity that consists of 6 publications, and has selected the following viewing and calculation options:

Selected Publication Year Range	2004 to 2013
Selected Publication Types	Articles, reviews and editorials
Selected Research Area	Chemistry
Selected Percentile Level	10%
Selected Data Universe	World

Entity with 6 Publications			
	Publication Identity	Publication 1	Publication 2
	Publication year	2011	2009
	Total citations received by this publication	10	42
	Publication type	Article	Review
	Journal sub-category(s)	Organic Chemistry	Pharmaceutical Science
	Journal main-category(s)	Chemistry	Pharmacology, Toxicology and Pharmaceuticals
Do publications match user-selected options?			
Step 1	Does the journal category of the publication match the selected research area?	Yes	No
Step 2	Does the publication fall in the selected publication year range?	Yes	Yes
Step 3	Does the publication type match the selected publication type?	Yes	Yes
Step 4	Does the publication pass each of steps 1, 2 and 3?	Yes	No

Question: How do I calculate Scholarly Output?	Answer: Count the number of publications that received a “yes” in step 4.	Scholarly Output – 4	
Question: How do I calculate Outputs in Top Citation Percentiles?	Answer: Look up the 10% citation threshold for this Publication Year of Publications that received a “yes” in step 4.	8	N/A
	Was the publication cited at least as many times as the threshold?	Yes	N/A
	For “Absolute number” display option, count the publications that received a “yes” in the previous step.	Output in Top Citation Percentiles = 2	
	For “Percentage” display option, divide “Absolute Number” by the Scholarly Output of the entity.	Outputs in Top Citation Percentiles = (2/4)*100 = 50%	

Publication 3	Publication 4	Publication 5	Publication 6
2011	2011	2010	2004
15	4	14	12
Editorial	Editorial	Review	Article
Geochemistry and Petrology	Analytical Chemistry	Inorganic Chemistry	Analytical Chemistry
Earth and Planetary Sciences	Chemistry	Chemistry	Chemistry
No	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
No	Yes	Yes	Yes

N/A	8	13	39
N/A	No	Yes	No

This table shows the number of times a publication must be cited to be in the top 10% for its Publication Year, based on arbitrary thresholds.

10% World Citation Thresholds					
Year	Citations	Year	Citations	Year	Citations
1996	44	2003	42	2010	13
1997	45	2004	39	2011	8
1998	47	2005	33	2012	4
1999	49	2006	30	2013	1
2000	49	2007	26	2014	0
2001	45	2008	22		
2002	44	2009	18		