## Methodology Identifying Waterloo-affiliated output

Data sources  
Web of Science  
InCites

Date of searching  
March 15, 2019

Search strategy

1. Identify 2013-2017 Waterloo-affiliated publications in Web of Science

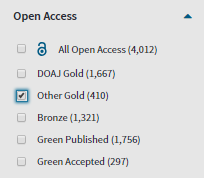
Organization: University of Waterloo 🡪 Publication date: 2013-2017 🡪 19,281 results

1. Within the WoS results, identify publications identified as Open Access & export results to InCites  
     
   Filter results by: Open Access 🡪 4,012 results (WoS) 🡪 exported to InCites as this dataset: “Waterloo all OA output 2013 to 2017 March 15 2019” 🡪 4,000 results (InCites) 🡪 saved as: *OA 2013-2017.csv*



1. Within the same WoS results, identify the OA Publications identified as “Other Gold” & export results to InCites

“View all options” 🡪 Open Access 🡪 Other Gold 🡪 410 results (WoS) 🡪 Exported to InCites as this dataset: “Waterloo other gold output 2013 to 2017 March 15 2019” 🡪 410 🡪 saved as: *OA other 2013-2017.csv*



Notes

* Factors influencing decision to use Web of Science as data source: availability of a robust OA filter in the Web of Science interface; publisher-neutral vendor.
* Web of Science results were exported to InCites as custom datasets (file names captured above).
* Explanation for the difference in total publications between InCites & Web of Science: InCites experiences a slight time delay in when it is updated with Web of Science data; this means that numbers in InCites are typically slightly lower than what is in Web of Science. For context: “InCites dataset updated 2019-02-27. Includes Web of Science content indexed through 2019-01-24.” Despite that, exporting the data to InCites allows for more robust analysis and this benefit outweighs losing the publications that account for the difference.
  + InCites 🡪 “Organizations” tile 🡪 Ability to view full publication list for custom dataset
  + InCites 🡪 “Journals, Books, Conference Proceedings” tile 🡪 Offers ability to view cumulative totals for the OA journals Waterloo-affiliated authors have published in
* This exercise discovered that the below data sources each define OA differently, and that Web of Science offers the most robust OA filter. Full details are available in the below table.

|  |  |
| --- | --- |
| **Data source** | **What data does the OA filter include?** |
| Web of Science | [Open Access](https://images.webofknowledge.com/images/help/WOS/hp_whatsnew_wos.html): Includes all OA (gold/green/bronze); can export into InCites as a custom dataset. “In 2014 we invented OA discovery, and in 2017 we partnered with Impactstory to provide better identification of Open Access publications already indexed in the Web of Science, and now, in 2018 we extended our offering to include legal peer-reviewed Green and previously hidden Hybrid Gold.” (source: [OA on Web of Science](https://clarivate.com/products/web-of-science/open-access)). From Clarivate: “Just take note that Bronze OA fluctuates as it is promotional and temporary decisions by publishers and no set time or patterns can be taken into consideration.” More information: [OA Fact Sheet](https://clarivate.com/wp-content/uploads/2018/10/WOS_Open-Access_OCT-Update-FINAL-1.pdf), and [OA content in Web of Science (video)](https://www.youtube.com/watch?time_continue=60&v=F98qREBOr7M)  [Other Gold](https://images.webofknowledge.com/images/help/WOS/hp_whatsnew_wos.html): “Most of these articles are from hybrid journals. Hybrid open access journals are subscription journals that include some open access articles. Keep in mind, identification of Other Gold as an indicator of Hybrid Gold open access articles is at varying levels of completeness, especially for newly published items.” Therefore is useful as a proxy but is not perfect. |
| InCites | Gold OA only. |
| Scopus | Gold/green (some) OA; can export to SciVal for further analysis.  Note: “There are on-going discussions and depending on the outcome of those discussions we may expand the OA filter in the future. So if you want to be as broad as possible for this analysis, you might want to use WoS. You can still import the data in SciVal if you want using DOIs.” |
| SciVal | Currently, an OA filter does not exist in SciVal (however, can import data from Scopus). Note: Elsevier confirmed “Nothing yet in SciVal, but I’ve already provided the SciVal team with this feedback.” |