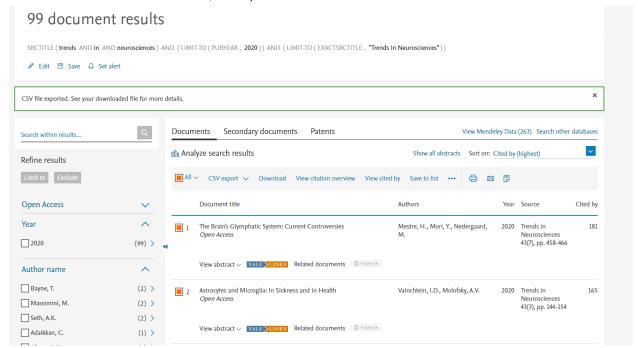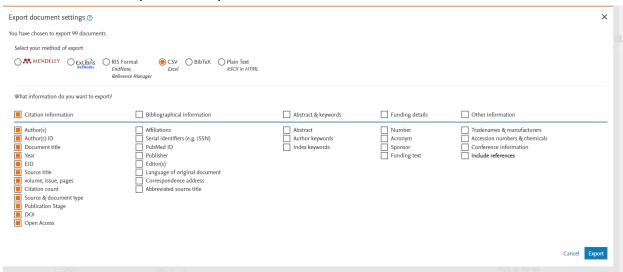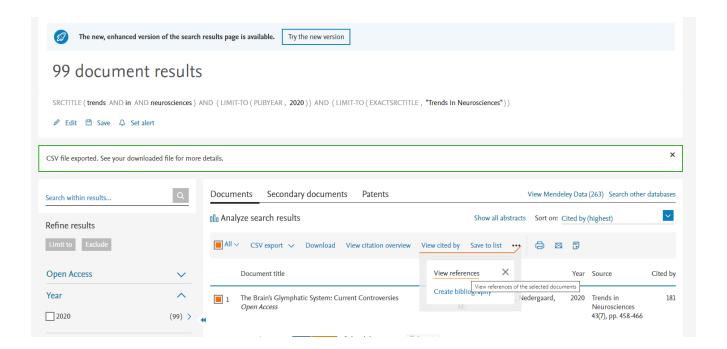1. Go to the Scopus website and search for relevant papers
2. For example, we searched for each journal of interest by each year (example below: *Trends in Neuroscience*, 2020)

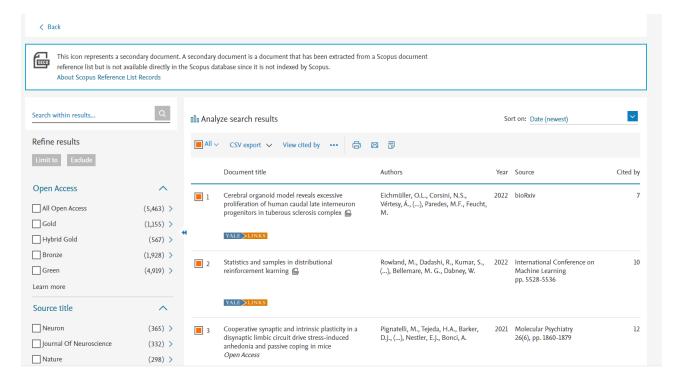# 99 document results

SRCTITLE (trends AND in AND neurosciences) AND (LIMIT-TO (PUBYEAR , 2020)) AND (LIMIT-TO (EXACTSRCTITLE , "Trends In Neurosciences"))

✎ Edit   🖫 Save   🔔 Set alert

CSV file exported. See your downloaded file for more details.   ✕

| Search within results... | 🔍 |

Refine results

Limit to   Exclude

Open Access	⌄
Year	⌃
☐ 2020	(99) >

Author name	⌃
☐ Bayne, T.	(2) >
☐ Massimini, M.	(2) >
☐ Seth, A.K.	(2) >
☐ Adaikkan, C.	(1) >

Documents   Secondary documents   Patents   View Mendeley Data (263)   Search other databases

📊 Analyze search results   Show all abstracts   Sort on: Cited by (highest) ⌄

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	Document title	Authors	Year	Source	Cited by
☑ 1	The Brain's Glymphatic System: Current Controversies *Open Access*	Mestre, H., Mori, Y., Nedergaard, M.	2020	Trends in Neurosciences 43(7), pp. 458-466	181
	View abstract ⌄ YALE>LINKS Related documents ⊕ Paperpile				
☑ 2	Astrocytes and Microglia: In Sickness and in Health *Open Access*	Vainchtein, I.D., Molofsky, A.V.	2020	Trends in Neurosciences 43(3), pp. 144-154	165
	View abstract ⌄ YALE>LINKS Related documents ⊕ Paperpile				

3. Click "CSV export" and export the data:

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☑ Citation information	☐ Bibliographical information	☐ Abstract & keywords	☐ Funding details	☐ Other information
☑ Author(s)	☐ Affiliations	☐ Abstract	☐ Number	☐ Tradenames & manufacturers
☑ Author(s) ID	☐ Serial identifiers (e.g. ISSN)	☐ Author keywords	☐ Acronym	☐ Accession numbers & chemicals
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☑ EID	☐ Editor(s)			
☑ Source title	☐ Language of original document			
☑ volume, issue, pages	☐ Correspondence address			
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☑ Source & document type				
☑ Publication Stage				
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4. View all references by clicking "view references"

5. Export all the references, as done above. We follow these two steps (i.e., two separate downloads) to establish an "article database" and a "reference database." This saves time when downloading data through the Pybliometrics API

6. Run sc_journal.py, modifying the folder structure as necessary. In our case, we had three folders ("All_Neuro", "All_Neurology", "All_Psychiatry"). Within each of those three

folders were folders for each journal, which included both the article database .csv files and reference database .csv files for many years.

7. Run get_auth_info.py. This will add author information to the self-citation information obtained in the previous steps.
8. Use genderize.io to probabilistically assign gender to each name. We recommend using the .csv tool, but you may also use their Python API. Please note that this requires a paid subscription.
9. Finally, perform the desired analysis. You can see our analysis in the notebook bootstrap_analysis.ipynb.