

Bibliometric analysis of University of Newcastle systematic reviews



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Why bibliometric analysis?

- Supports institutional strategic decision making
- Supports the evaluation of a Faculty/School/research group/researcher
- Provides information for assessing researchers for appointment or promotion
- Used to define indicators for allocating research funding
- Helps libraries understand their stakeholder's needs

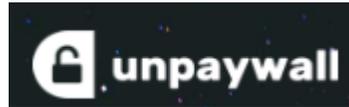
Types of metrics include:

- **Productivity** - number of publications produced, top journals, number of authors
- **Impact** – citations (eg. self citations, most cited, highly cited, field weighted, co-citation, H-Index, uncited)
- **Collaboration** – international, national, institutional, single authorship, corporate
- **Open access**
- **Other** – disciplinary, keyword occurrence, gender, journal quality metrics, etc
- **Alternative metrics**

Data for this analysis extracted from:



WEB OF SCIENCE™



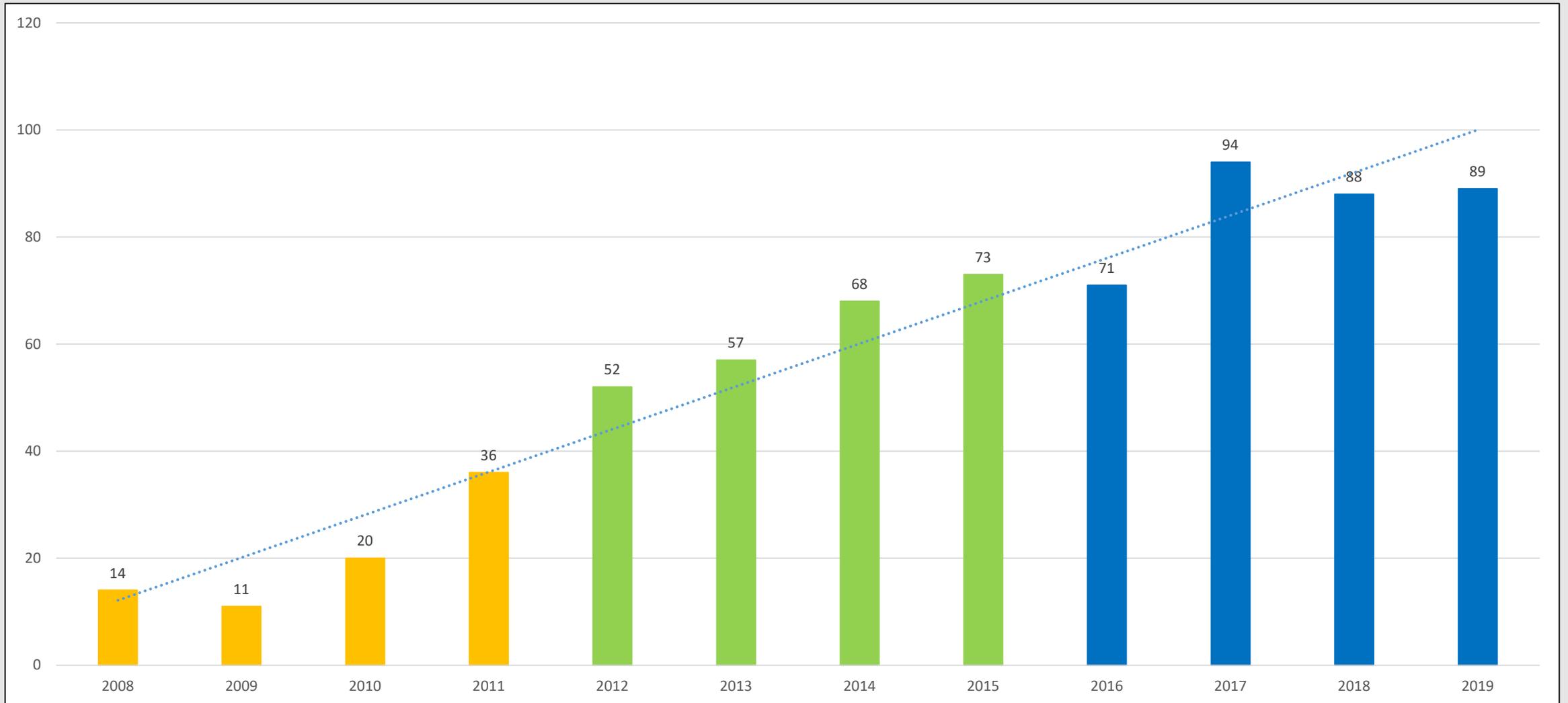
Software used:



Be aware of:

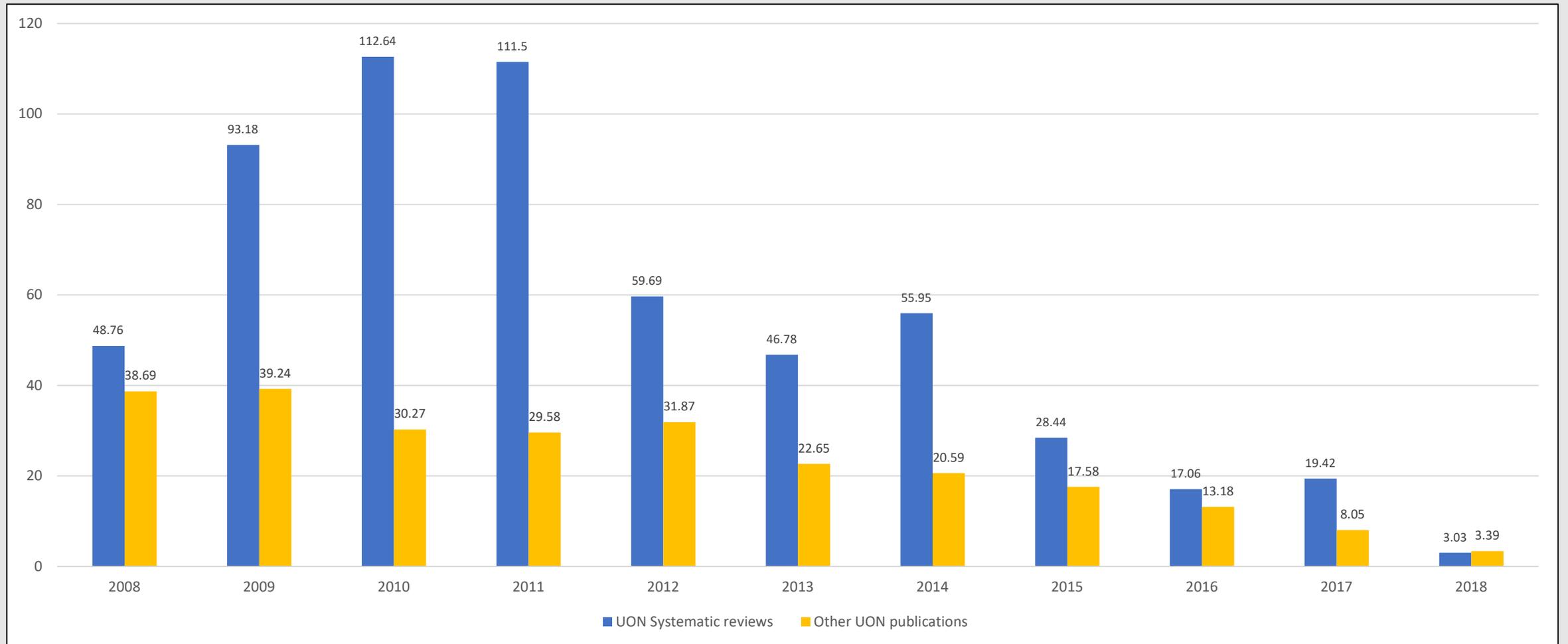
- Coverage of databases
- Search terms and limits used
- Quality of records in databases
- Differences between fields in publication patterns, citation, authorship
- Comparing like with like
- Use multiple measures
- Expectations – what questions are you wanting to answer
- Importance of accurate data collection

UON systematic reviews by year: 2008-2019

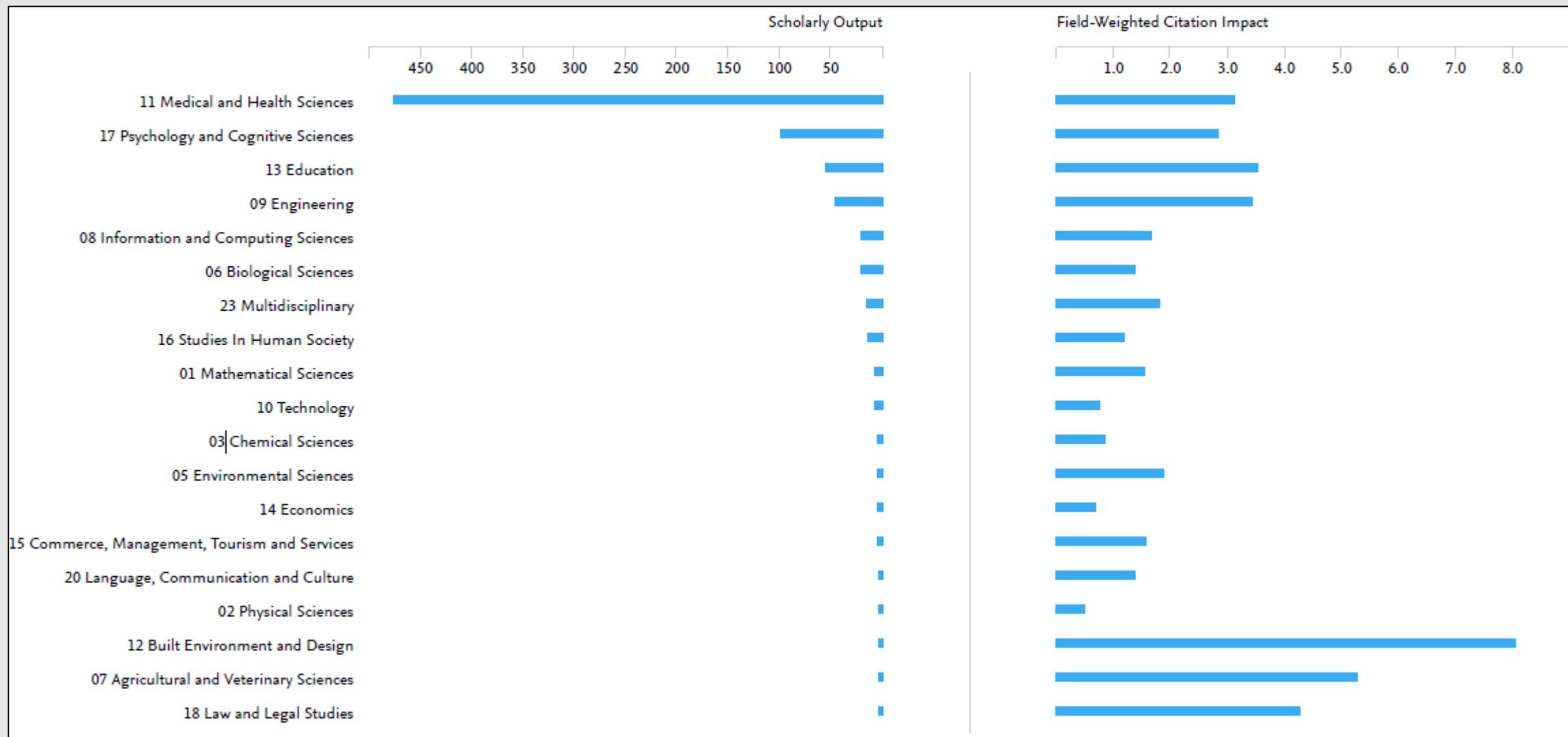


Source: Data generated from UON research publication system, Scopus and Web of Science. Collected March 2019 and updated 26th June 2019

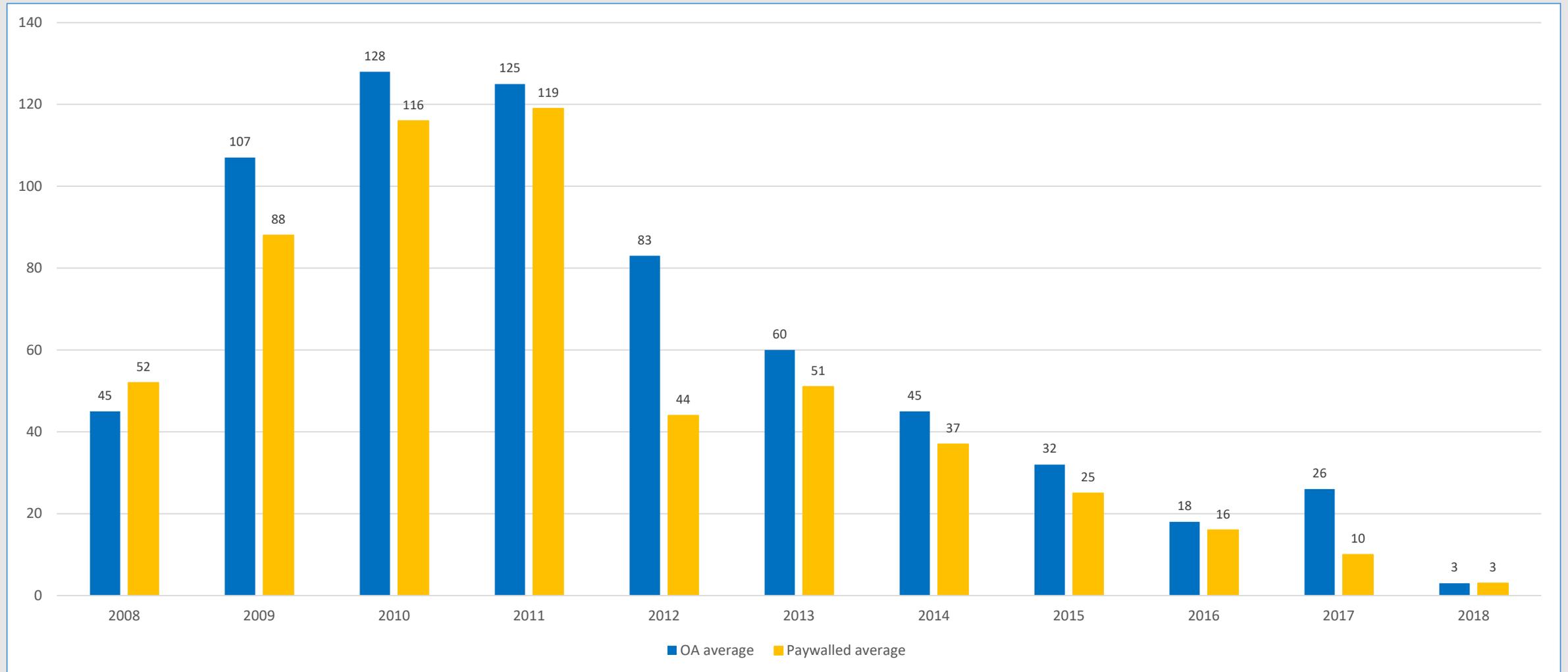
Average citations per publication: UON systematic reviews and other UON research publications



Field of Research (FOR) Code: Number of UON systematic reviews and FWCI

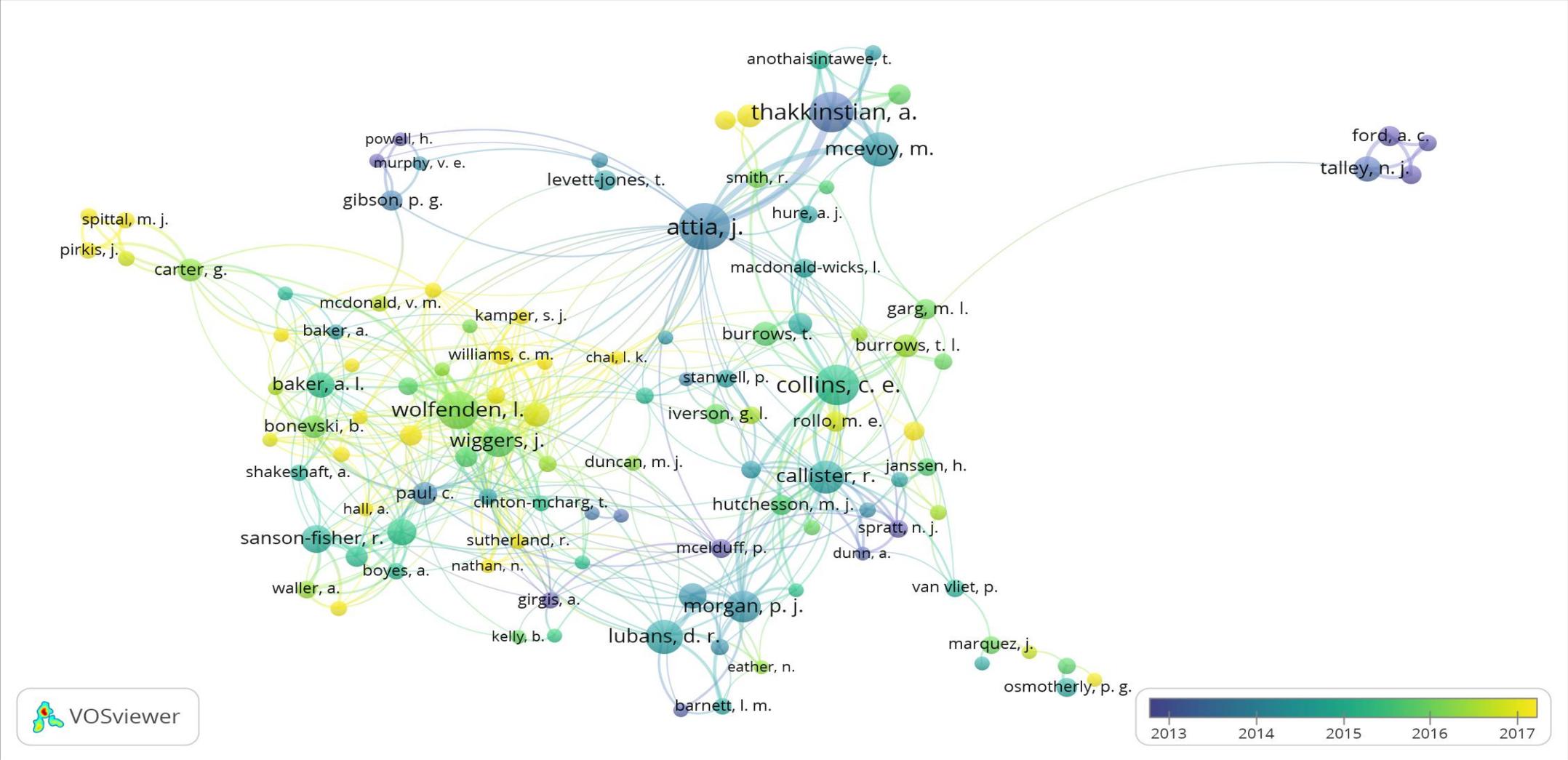


Average citations per publication: Open access and paywalled



Source: Open access data generated from Unpaywall, citations checked in Scopus, 26th June 2019

Co-authorship network: With year of publication overlay



Alternative metrics: Mentions in policy documents

