



A bibliometric analysis of cancer topic of Cochrane systematic reviews revealed the trend and hotspots.

The Problem

Bibliometric analysis helps investigators grasp the development priorities and trends in the field and guiding their follow-up work. In order to assess trends in research activities of the cancer topic of Cochrane systematic reviews (Cancer-CSR), bibliometric analysis has been used.

Methods

1. Cochrane Database of Systematic Review (CDSR) and Web of Science Core Collection (WoSCC) were retrieved limited from Jan. 1, 2009 to Dec. 12, 2018.
2. CiteSpace IV and Excle 2018 were applied to analyze and visualize the literature information, including countries, institutes, co-cited journals/books, co-cited references and keywords.

Key Results

- 607 Cochrane systematic reviews were retrieved, 32 countries, 179 institutions and 260 authors involved. The number of publications in Cancer-CSR has been increasing over the past decades.
- UK, USA, Canada, Australia, and Germany worked closely with other countries, especially UK (n=361) has taken the lead in this field.
- The top 10 contributive institutions, which were almost came from developed countries, collaborated closely with other institutions, except for Sichuan University and University of Nottingham.
- The top three co-cited references were the two different version of Cochrane handbook for systematic reviews and the guidelines of Review Manager.
- The biggest cluster of keywords “cytoreductive surgery (CRS)” and the latest clusters “visual inspection” and “non-steroidal anti-inflammatory drug” were the most promising hotspots.

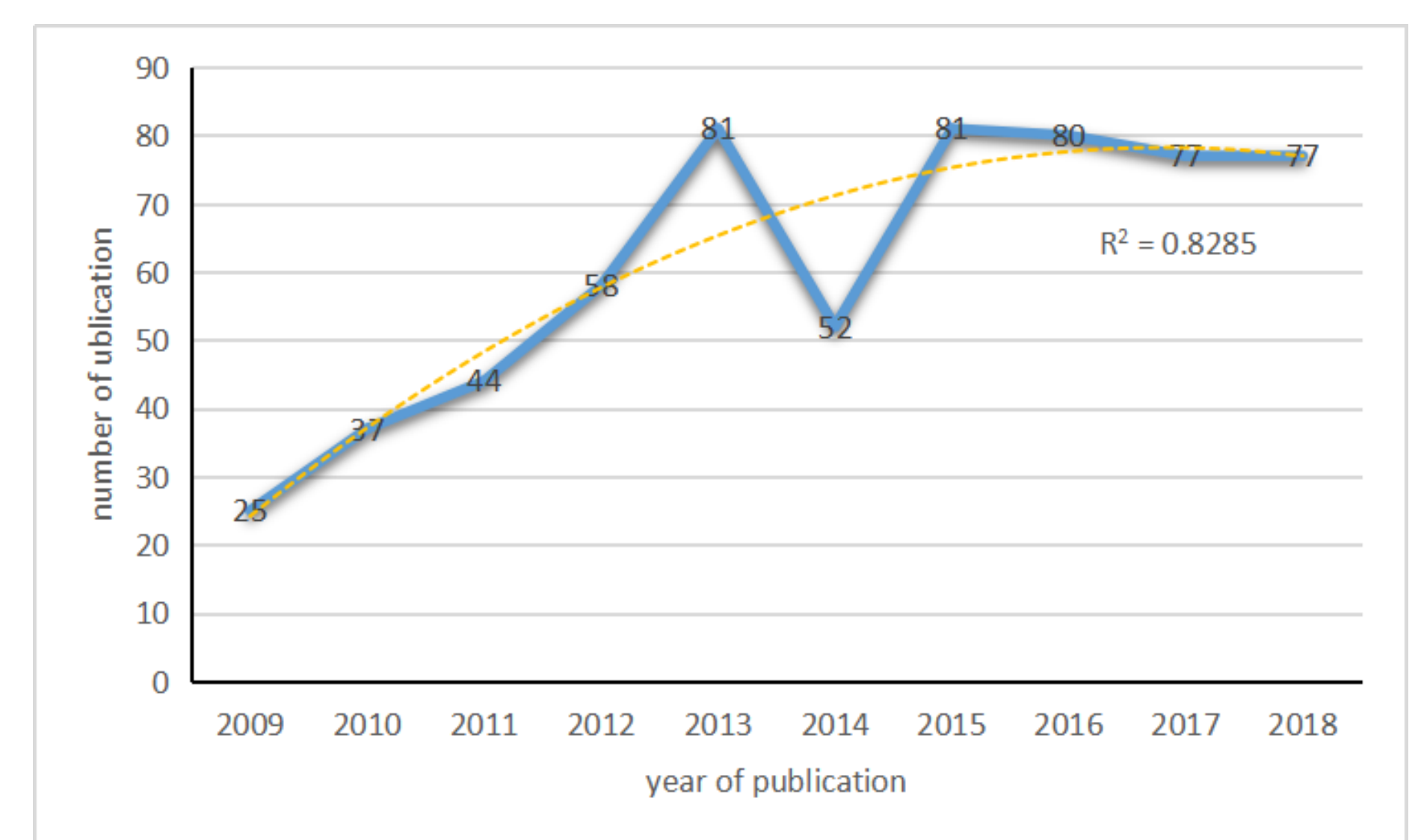


Fig. 1 The publication trend of Cancer-CSR during 2009-2018.

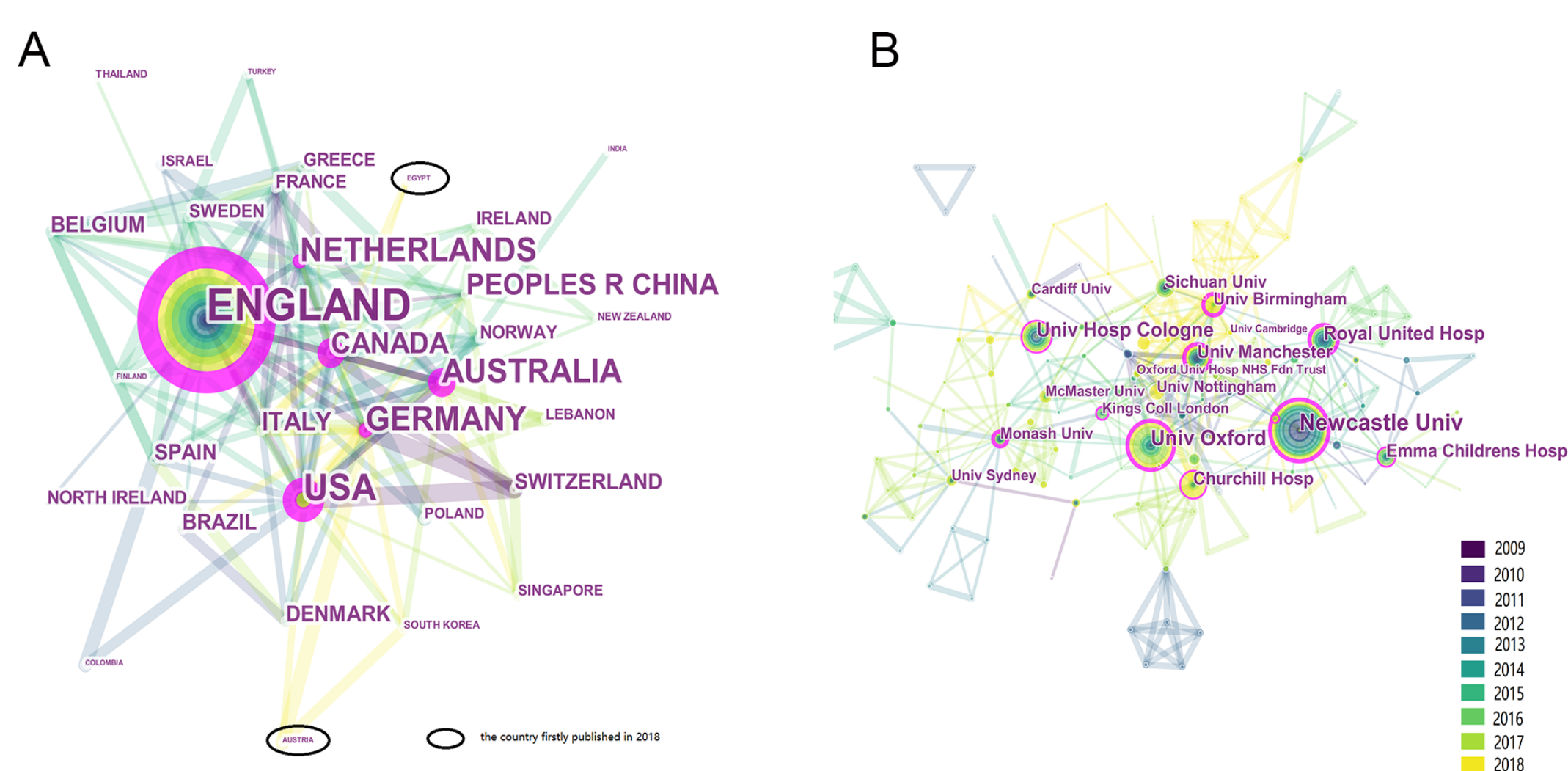


Fig. 2 The distribution of countries and institutes. (A) The network map of countries involved in Cancer-CSR; (B) The network map of institutes involved in Cancer-CSR

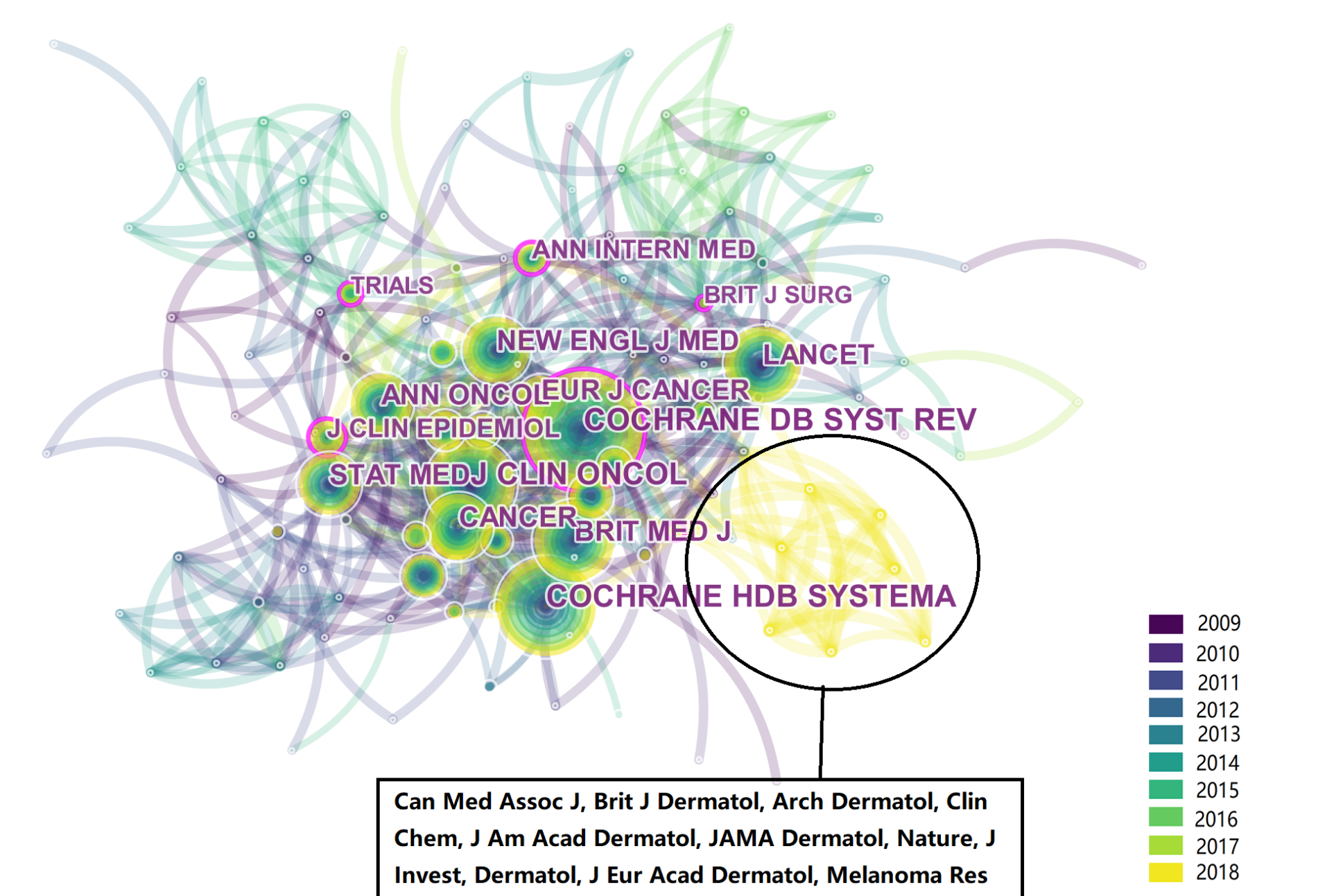


Fig. 3 The co-citation map of journals from the reviews in Cancer-CSR

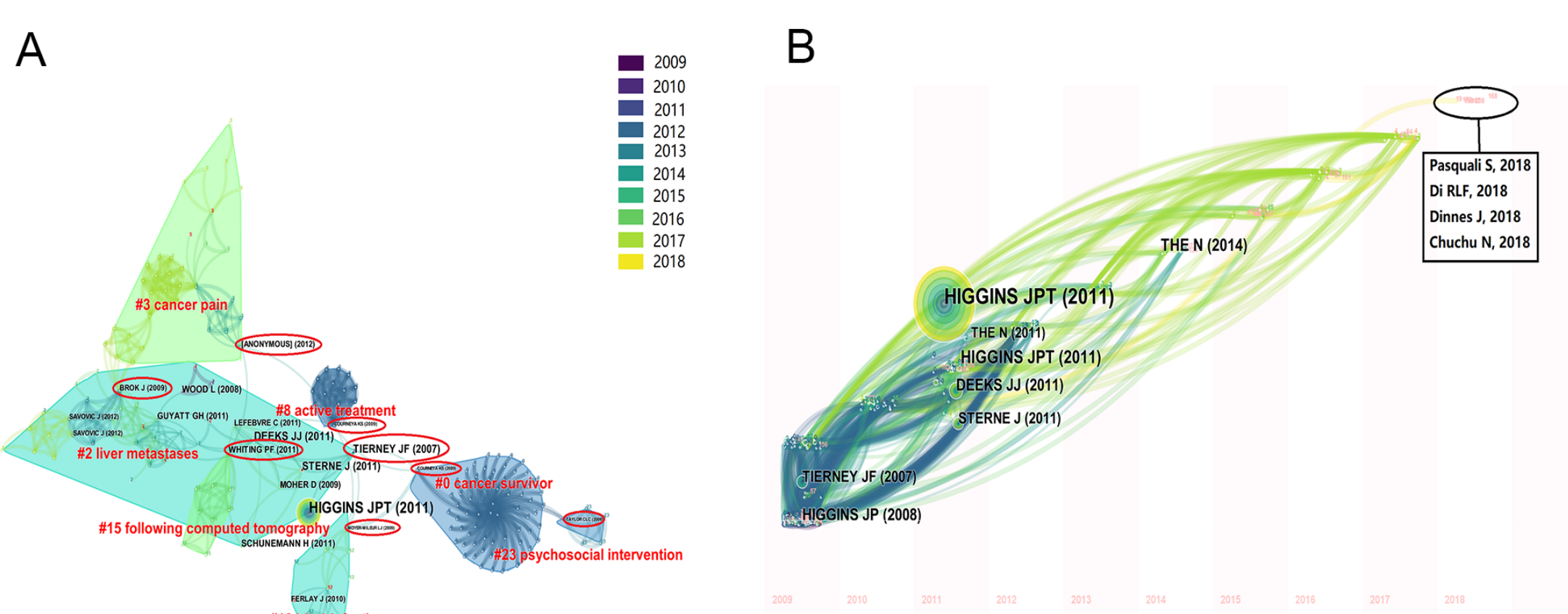


Fig. 4 The analysis of references. (A) The co-citation map of references from reviews in Cancer-CSR; (B) The timezone view of co-cited references from reviews in Cancer-CSR

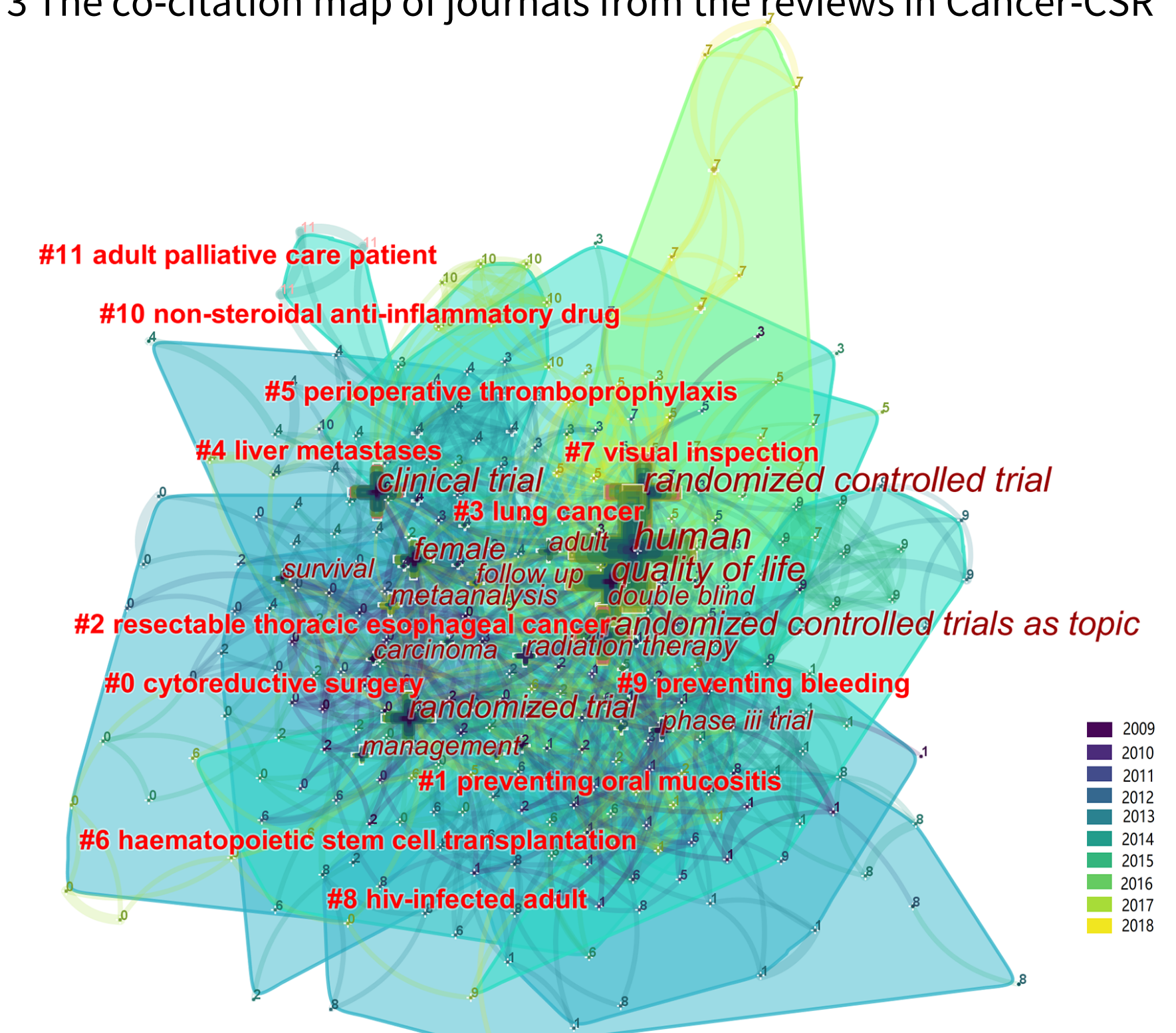


Fig. 5 The network map of keywords from reviews in Cancer-CSR

Trends analysis of cancer topic of Cochrane systematic reviews: a bibliometric analysis

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