



# ScientoMiner ICR - the Gephi plugin for importing scholarly citations data from Crossref services



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# Bibliography, Database , Bibliographic databases



- A database of bibliographic records: An organized digital collection of references to published literature, including journal and newspaper articles, conference proceedings, patents, books etc.
- Structured metadata
- Published not just in the traditional way



## Functions of a bibliographic database

- Assessment of academic literature
- Assessment of an individual researcher's output
- Institution's research assessment of academic output





## Reasons which lead to erroneous results

- Different citation styles of the journals
- Authors identifications
- Work's identifications
- Mistakes made by operators of bibliographic databases during the registration of bibliographic records



# Sources of research data

commercial platforms

Scopus®

WEB OF SCIENCE™



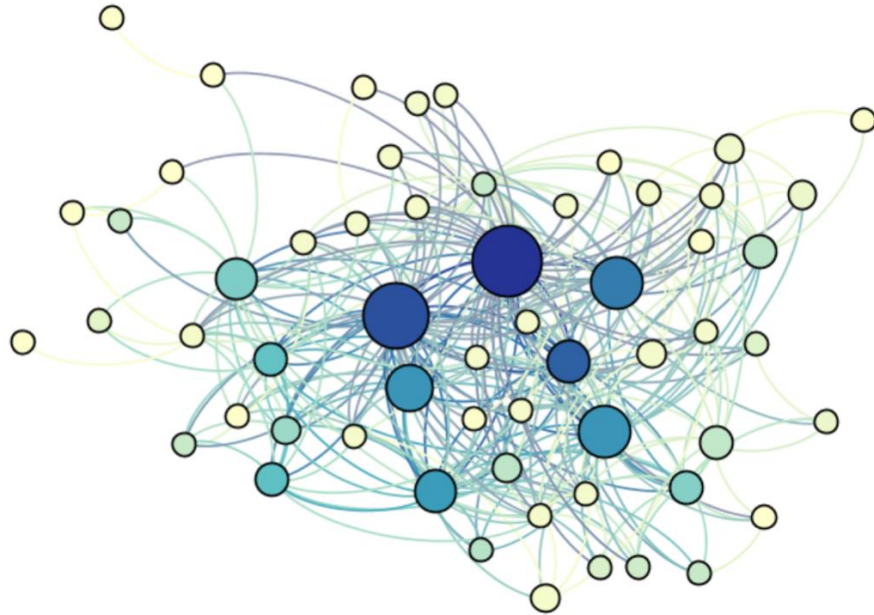


**Crossref**



# Gephi

<http://gephi.org>



# ScientoMiner ICR

<https://doi.org/10.5281/zenodo.1215008>

The screenshot displays the Gephi 0.9.2 software interface. The main window is titled "Gephi 0.9.2 - Project 1" and shows a workspace with a graph visualization. The left sidebar contains several panels:

- ScientoMiner ICR**: This panel is active and shows the "Import from CrossRef" section. It includes a logo, a text input field for "references of articles", and an "About" button. Below this, there are fields for "ISSN" (0138-9130), "From date" (2007-01-01), and "To date" (2016-12-31). There are also checkboxes for "predecorate graph" (checked) and "DOIs only" (checked). The "Download data in chunks" section has radio buttons for 10, 50, 100, 200, 500 (selected), and 1000. At the bottom of this panel are "Replace" and "Append" buttons.
- Appearance**: This panel shows "Nodes" and "Edges" tabs, with "Nodes" selected. It includes a "Unique Partition Ranking" section with a dropdown menu and an "Apply" button.
- Layout**: This panel has a dropdown menu for "Choose a layout" and a "Run" button.

The central graph area is titled "Graph" and shows a "Dragging (Configure)" tooltip. The right sidebar contains:

- Context**: Shows "Nodes: 0" and "Edges: 0".
- Filters**: A section with "Reset" and "Apply" buttons.
- Library**: A list of filter categories including "Attributes", "Dynamic", "Edges", "Operator", "Topology", and "Saved queries".
- Queries**: A section with a "Drag filter here" tooltip.

The bottom status bar shows the font settings: "Arial Bold, 32".


Gephi 0.9.2 - Project 1

File Workspace View Tools Window Help

Overview Data Laboratory Preview

Workspace 1

ScientoMiner ICR

 Import from CrossRef  
*refereres of articles* [About](#)

ISSN

From date

To date

predecorate graph  DOIs only

Download data in chunks

10     50     100  
 200     500     1000

[Replace](#)    [Append](#)

Graph

 Dragging (Configure)

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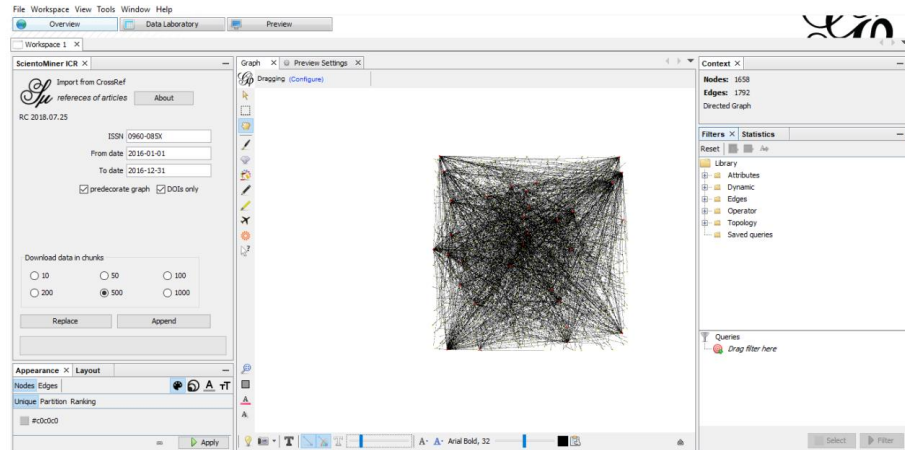
Appearance

# ScientoMiner ICR

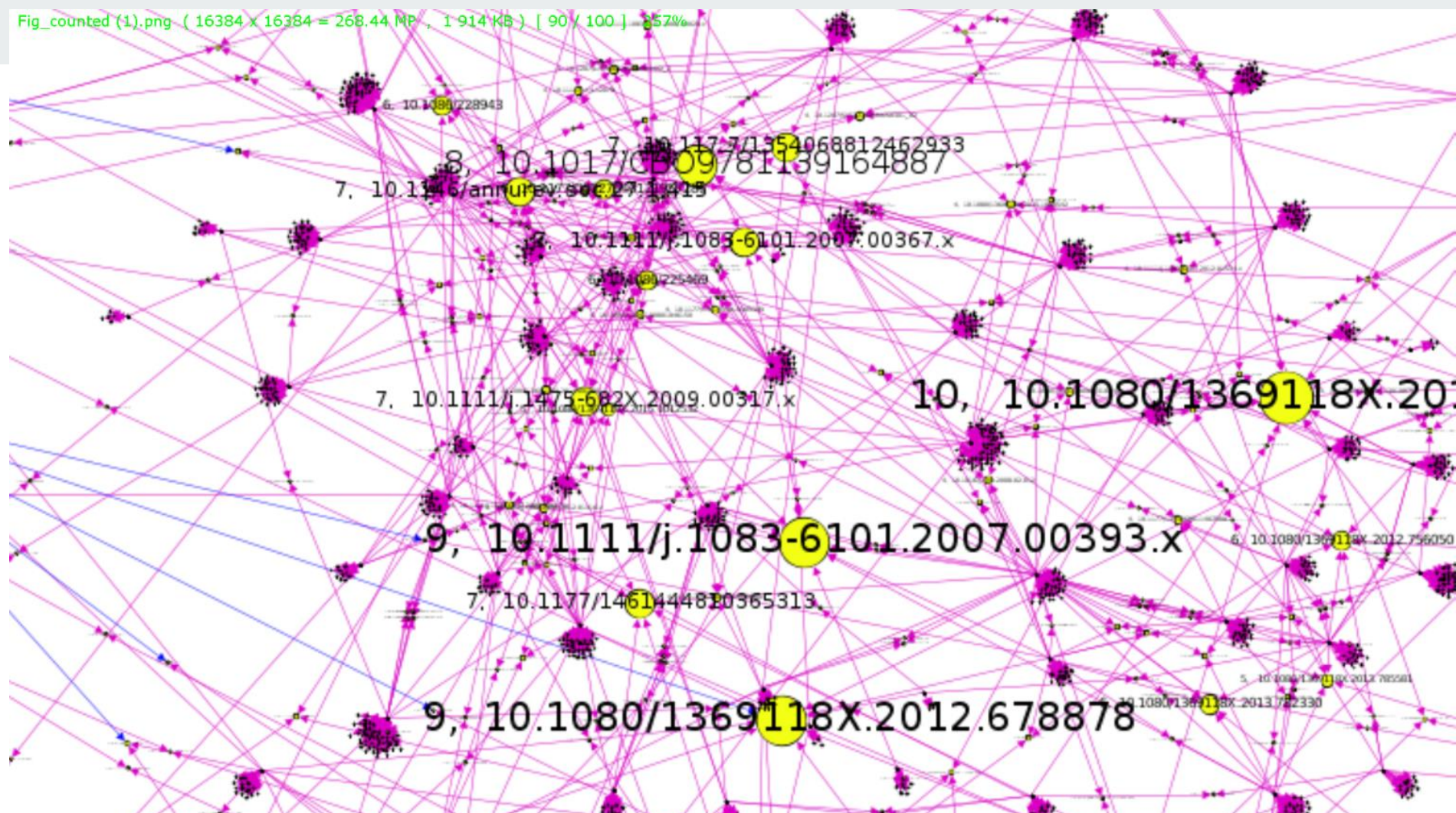
Two journals from 01.01.2016 to 31.12.2016

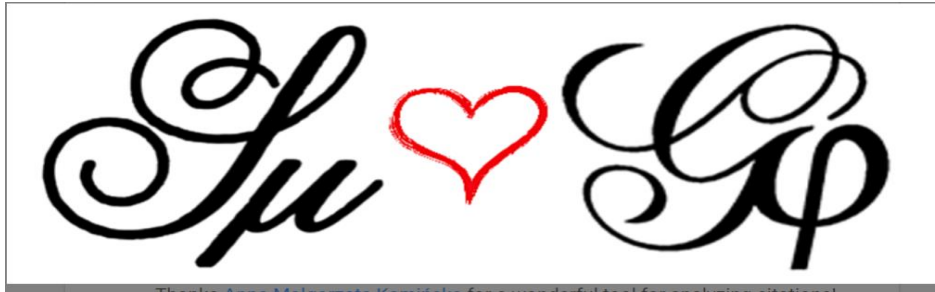
European Journal of Information Systems (ISSN: 0960-085X) by Springer Nature

Information Communication and Society (E-ISSN: 1369-118X) by Taylor & Francis









- <https://www.researchgate.net/project/ScientoMiner>
- <http://yadda.icm.edu.pl/yadda/element/bwmeta1.element.desklight-ef2fe2bf-8f7b-4704-b2c8-35c476daf583>
- <https://gephi.org/publications/gephi-bastian-feb09.pdf>
- А. М. Камінська, С. А. Назаровець. Crossref як джерело наукометричних даних для соціальних та гуманітарних наук