

Argo Scholar

Interactive Visual Exploration of Literature in Browsers

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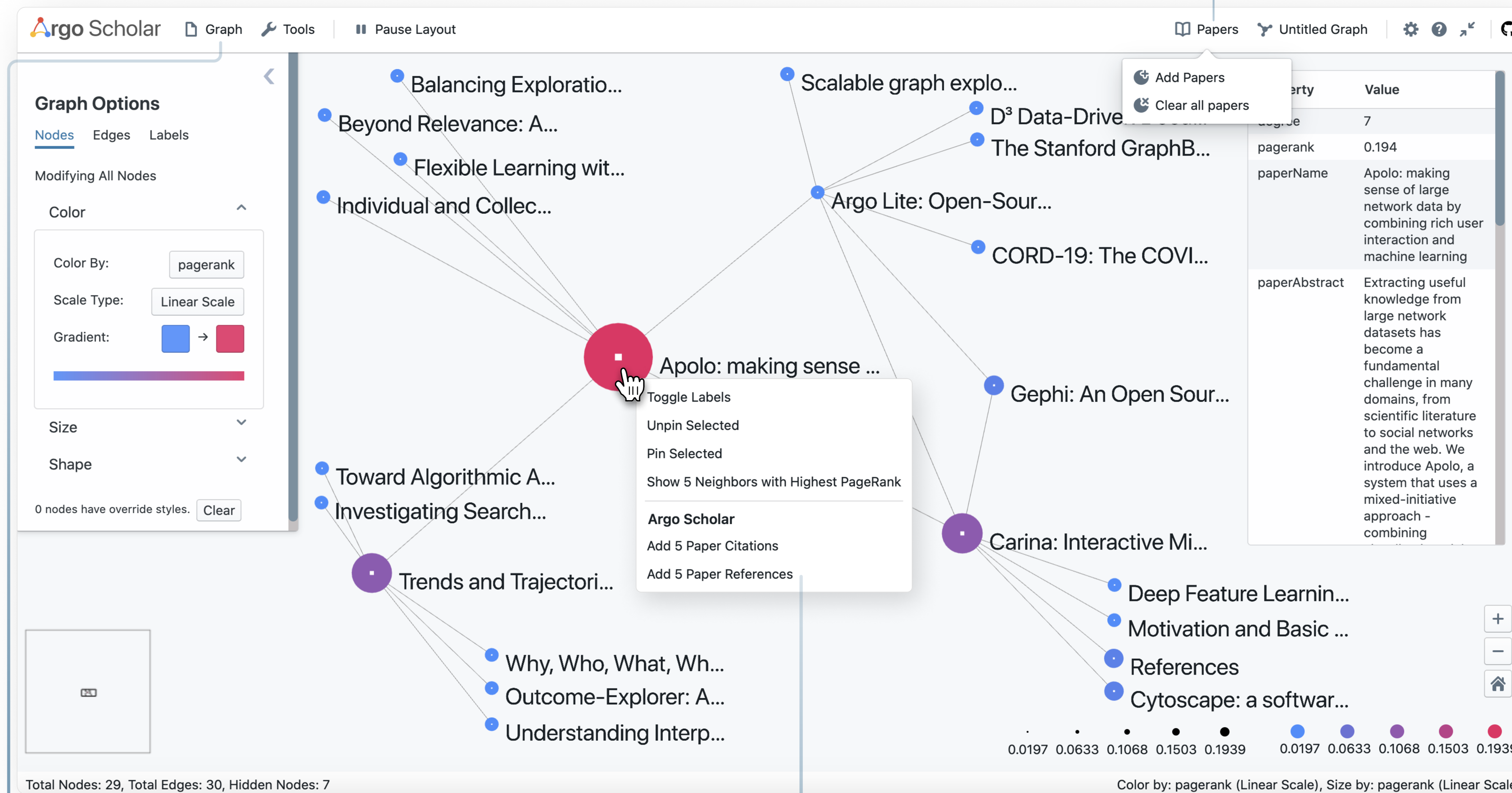
Argo Scholar is an open-source, interactive web-based tool for exploring and sharing literature.

Try it at poloclub.github.io/argo-scholar

Argo Scholar runs on all modern browsers.

Challenges of Current Literature-Visualization Tools

1. Dependent on **small, outdated** manually curated paper datasets
2. Lack support for **personalized** exploration



1 Access ~200M Papers

Argo Scholar queries and visualizes **Semantic Scholar's ~200 million papers**. Users construct and display **personalized** literature exploration results as graphs of papers (nodes) connected by citation relations (edges).

2 Shareable Literature Graphs

Users can share **snapshots** of literature exploration visualization on the cloud for free, accessible from anywhere via URLs.

A JSON snapshot that stores the information of explored papers and their connections can be embedded in **Jupyter Notebook** or HTML IFrames.

3 Incremental Exploration

Argo Scholar supports **incremental associative** sensemaking, a common and effective method to discover relevant work.

Users grow a network of related papers by iteratively adding citations or references via *Literature Exploration Dropdown*.