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📣 🎉 🚀SciSciNet-v2 is here! An enhanced update to SciSciNet, this dataset links scientific publications to funding sources, patents, citations, and affiliations—fueling insights into scientific productivity, impact, and innovation.

#ScienceOfScience #ResearchData #Sciscinet

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SciSciNet-v2 is built on top of @OpenAlex\_org, connecting ~250M papers, ~2.5B citations, 100M authors, ~100k institutions, 260k journals, ~ 48M patent linkages, 1.5M NSF linkages, >600k NIH linkages and >600k clinical trial linkages. Dive deeper into the science ecosystem than ever before!

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Summary statistics of scientific publications in SciSciNet-v2. (a) The number of publications in 19 top-level fields. (b) The exponential growth of science over time. (c) Average team size by field from 1950 to 2025. The bold black line is for papers in all the 19 top level fields. Each colored line indicates each of the 19 fields (color coded according to (a)).

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Explore the evolving research landscape across disciplines.

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Explore the evolving research landscape across disciplines.

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Linking scientific publications with socioeconomic institutions. Panels show the distribution of paper-level downstream applications Newsfeed mentions; Patents; Clinical trials, distribution of supporting scientific grants from NIH and NSF.

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📊 We’ve re-calculated key metrics like Novelty, Disruption scores, Sleeping Beauty coefficient, citation dynamics, H-index, scientific impact, and name-gender associations in SciSciNet-v2—using the same reliable methods as the original SciSciNet paper.

(or)

📊 We re-calculated commonly used measurements at the publication level, citation dynamics, sleeping beauty co-efficient, novelty and conventionality, disruption score. We also re-calculated Individual and institutional level measures such as H-index, Scientific impact, Name-gender associations. We follow the same methodology from the original SciSciNet paper.

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🔍 We’ve built embeddings for 100M+ papers using AllenAI’s Specter-v2 model! Now available in SciSciNet-v2, researchers can quickly access semantic representations and dive deeper into scientific insights.

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SciSciNet-v2 is available to download and access from Hugging Face, Google Cloud storage, or Google Big Query. To know more about how-to access and use Sciscinet-v2 visit: <https://northwestern-cssi.github.io/sciscinet/>

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