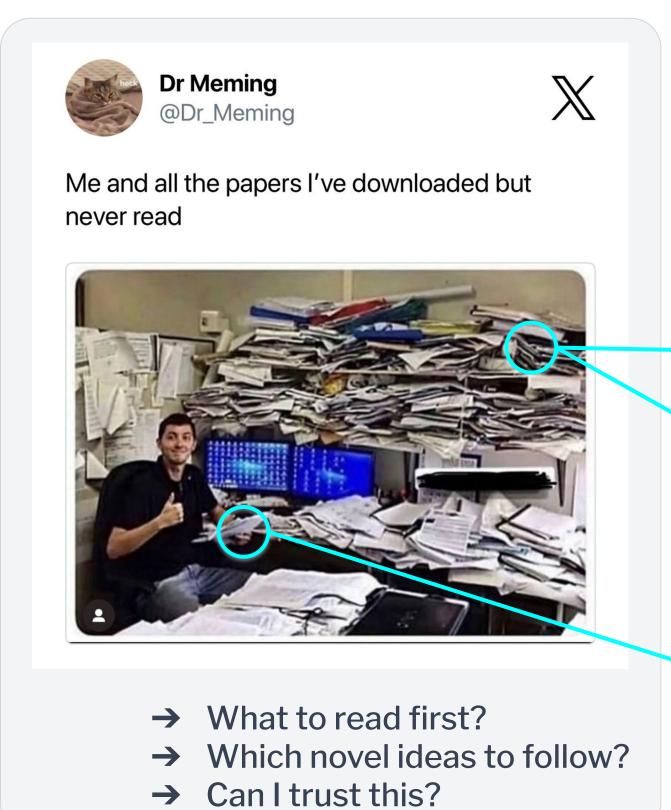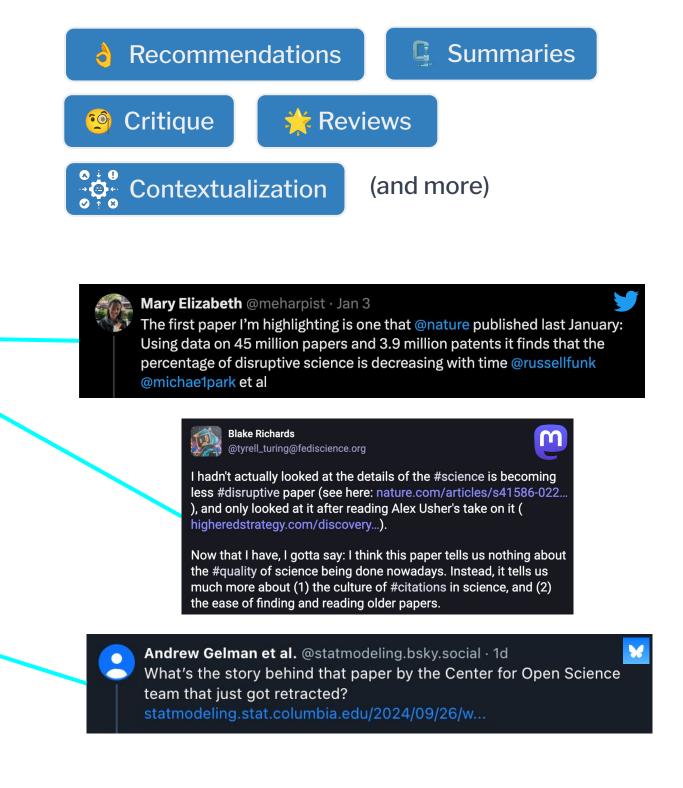# SenseNets

ASTERA

Sensemaking Networks
Transforming Social Media into a Sensemaking Layer for Science

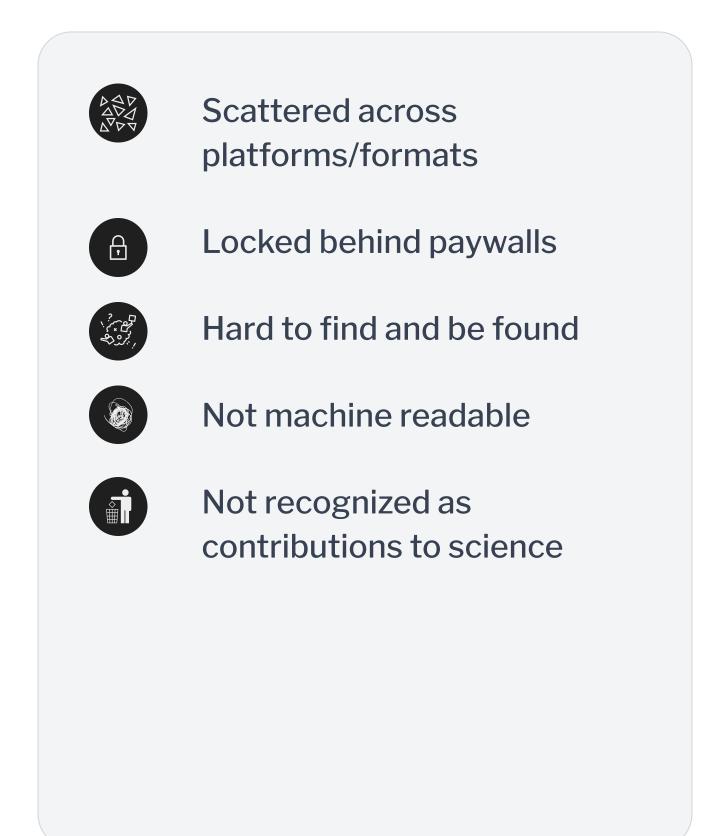Ronen Tamari, Pepo Ospina, Shahar Oriel, Wesley Finck, Andrea Farias, Colin Stewart

Access to information ≠ Making sense of information

Dr Meming
@Dr_Meming

Me and all the papers I've downloaded but never read

- ➔ What to read first?
- ➔ Which novel ideas to follow?
- ➔ Can I trust this?

Sensemaking happens on science social media...

- 🍯 Recommendations
- 📄 Summaries
- 🧐 Critique
- ⭐ Reviews
- ☀ Contextualization   (and more)

Mary Elizabeth @meharpist · Jan 3
The first paper I'm highlighting is one that @nature published last January: Using data on 45 million papers and 3.9 million patents it finds that the percentage of disruptive science is decreasing with time @russellfunk @michae1park et al

Blake Richards @tyrell_turing@fediscience.org
I hadn't actually looked at the details of the #science is becoming less #disruptive paper (see here: nature.com/articles/s41586-022...), and only looked at it after reading Alex Usher's take on it (higheredstrategy.com/discovery...).

Now that I have, I gotta say: I think this paper tells us nothing about the #quality of science being done nowadays. Instead, it tells us much more about (1) the culture of #citations in science, and (2) the ease of finding and reading older papers.

Andrew Gelman et al. @statmodeling.bsky.social · 1d
What's the story behind that paper by the Center for Open Science team that just got retracted?
statmodeling.stat.columbia.edu/2024/09/26/w...

But it's broken.

- Scattered across platforms/formats
- Locked behind paywalls
- Hard to find and be found
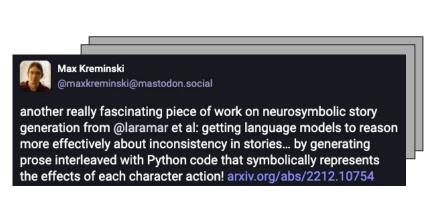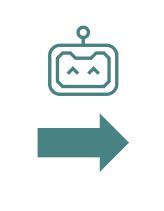- Not machine readable
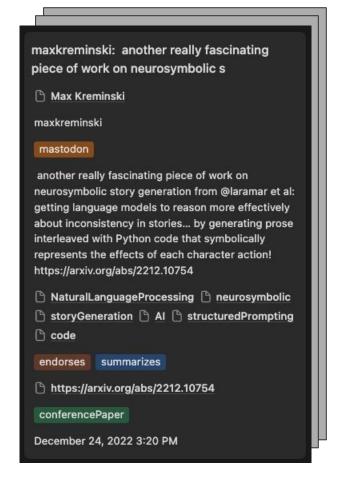- Not recognized as contributions to science

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Accelerating sensemaking with AI-assisted nanopublishing and Hyperfeeds

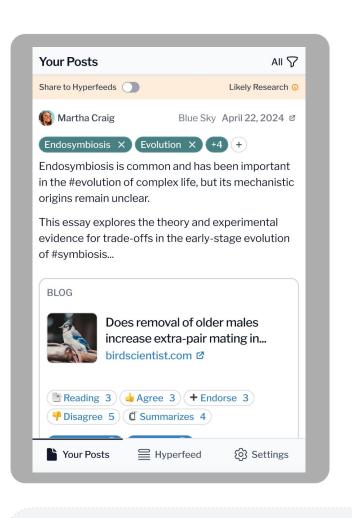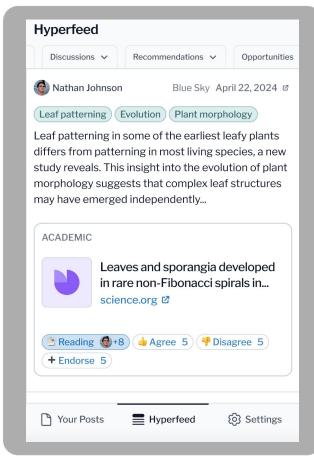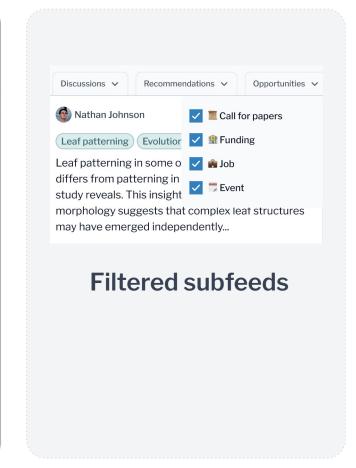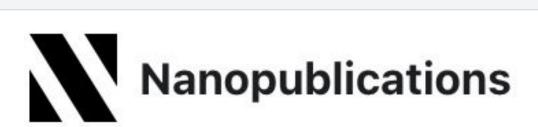## 1 Convert social media with AI to structured nanopublications

Max Kreminski @maxkreminski@mastodon.social
another really fascinating piece of work on neurosymbolic story generation from @laramar et al: getting language models to reason more effectively about inconsistency in stories... by generating prose interleaved with Python code that symbolically represents the effects of each character action! arxiv.org/abs/2212.10754

AI nanopublishing assistant

maxkreminski: another really fascinating piece of work on neurosymbolic s
☐ Max Kreminski
maxkreminski
mastodon
another really fascinating piece of work on neurosymbolic story generation from @laramar et al: getting language models to reason more effectively about inconsistency in stories... by generating prose interleaved with Python code that symbolically represents the effects of each character action! https://arxiv.org/abs/2212.10754
☐ NaturalLanguageProcessing ☐ neurosymbolic ☐ storyGeneration ☐ AI ☐ structuredPrompting ☐ code
endorses summarizes
☐ https://arxiv.org/abs/2212.10754
conferencePaper
December 24, 2022 3:20 PM

Nanopublications

- ➔ Small knowledge graphs that are published as citable research artifacts
- ➔ FAIR data standards
- ➔ Researcher controlled
- ➔ Reusable by other science apps & services
- ➔ Open & decentralized: no platform lock-in

Findable
Accessible
Interoperable
Reusable

2 Use nanopublications to power Hyperfeeds, a turbocharged science feed

Your Posts   All
Share to Hyperfeeds ⚪   Likely Research
Martha Craig   Blue Sky   April 22, 2024
Endosymbiosis ✕   Evolution ✕   +4
Endosymbiosis is common and has been important in the evolution of complex life, but its mechanistic origins remain unclear.

This essay explores the theory and experimental evidence for trade-offs in the early-stage evolution of #symbiosis...

BLOG
Does removal of older males increase extra-pair mating in...
birdscientist.com
🔵 Reading 3 🟢 Agree 3 📗 Endorse 3
🔴 Disagree 3 📄 Summarizes 4

Your Posts   Hyperfeed   Settings

Hyperfeed
Discussions ⌄   Recommendations ⌄   Opportunities
Nathan Johnson   Blue Sky   April 22, 2024
Leaf patterning ✕   Evolution ✕   Plant morphology ✕
Leaf patterning in some of the earliest leafy plants differs from patterning in most living species, a new study reveals. This insight into the evolution of plant morphology suggests that complex leaf structures may have emerged independently...

ACADEMIC
Leaves and sporangia developed in rare non-Fibonacci spirals in...
science.org
🔵 Reading 10+8 🟢 Agree 5 🔴 Disagree 5
➕ Endorse 5

Your Posts   Hyperfeed   Settings

Discussions ⌄   Recommendations ⌄   Opportunities ⌄
Nathan Johnson   ☑ Call for papers
Leaf patterning ✕   Evolutio   ☑ Funding
Leaf patterning in some o   ☑ Job
differs from patterning in   ☑ Event
study reveals. This insight
morphology suggests that complex leaf structures
may have emerged independently...

Filtered subfeeds

Cross platform, just research - no ads!

Evolution
102 Posts   23 Users
Martha Craig   Harrison Schnachten
Nathan Johnson   Maria Hernandez
Megan O'Conner   Nuño Mendez
Wes Martin   See more
Nathan Johnson   Twitter   April 22, 2024   +2
Candida albicans ✕   Evolution ✕   Strain diversity ✕
Great review of genetic diversity in C. albicans from Matt Anderson: Evolution and strain diversity in this opportunistic fungal pathogen. The paper explores population structure, genomic plasticity, and implications for antifungal resistance...
ACADEMIC
Evolution and strain diversity advance exploratory mutational...
journals.asm.org

Hypertext surfing Connecting posts, keywords, researchers & research.

Nathan Johnson   Blue Sky   April 22, 2024
Leaf patterning ✕   Evolution ✕   Plant morphology ✕
Leaf patterning in some of the earliest leafy plants differs from patterning in most living species, a new study reveals. This insight into the evolution of plant morphology suggests that complex leaf structures may have emerged independently...
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science.org
🔵 Reading 10+8 🟢 Agree 5 🔴 Disagree 5
➕ Endorse 5

Semantic mentions Aggregate <u>types</u> of mentions, not just how many mentions

find me pages about problems in science publishing
Based on the search results, there are several pages discussing problems in science publishing. Here's a summary of the key issues:
- Pressure to publish: There's a detrimental "publish or perish" culture that affects scientists' behavior
- Hyperproduction and predatory journals: For-profit publishers have been criticized for encouraging unhealthy production rates, while some articles exaggerate the impact of predatory journals
- Hype in scientific publishing: There's an increasing trend of using positive, non-technical language in scientific papers, which may lead to overstating results
- Market failures: There are "perverse market failures" in academic publishing that impair scientists' ability to do their jobs and slow down scientific progress

GenAI conversational queries and digests

Join the waitlist!   sense-nets.xyz