Preprint Bot

Smart Paper Recommendations for Researchers

An automated system that delivers relevant academic papers to faculty — personalized and straight to their inbox.

Daily	arXiv	Personalized	Email Digest
Runs automatically	Source of papers	Per researcher	Delivered to inbox

The Problem

Too Many Papers

arXiv publishes thousands of new research papers every single week across hundreds of topics.

Hard to Keep Up

Researchers don't have time to manually browse and filter what's new and relevant to their work.

Missed Discoveries

Important findings that could inform or accelerate a researcher's work simply go unnoticed.

What Is Preprint Bot?

> *An automated tool that finds new academic papers matching each researcher's interests — and emails them a ranked list every morning.*

How it works

1 Fetch
Pulls the latest papers from arXiv each night

2 Match
Compares papers to each user’s uploaded papers

3 Summarize
Writes a short plain-english summary

4 Deliver
Emails a ranked digest directly to the user

Built and deployed at Syracuse University’s Open-Source Program Office(OSPO).
Live at: preprint-bot.syr.edu

Key Features

Personalized Profiles

Users set up a profile with their topic interests. The bot has context of what's relevant to them specifically — not just generic keyword search.

Plain-English Summaries

Every recommended paper comes with a short, readable summary so users can quickly decide if it's worth reading.

Email Digests

A clean, formatted email arrives everyday with the top paper picks — no login required, no app to check.

Web Dashboard

Users can also browse their recommendations, manage their profile, and upload their own papers via a simple website.

Upload Your Papers

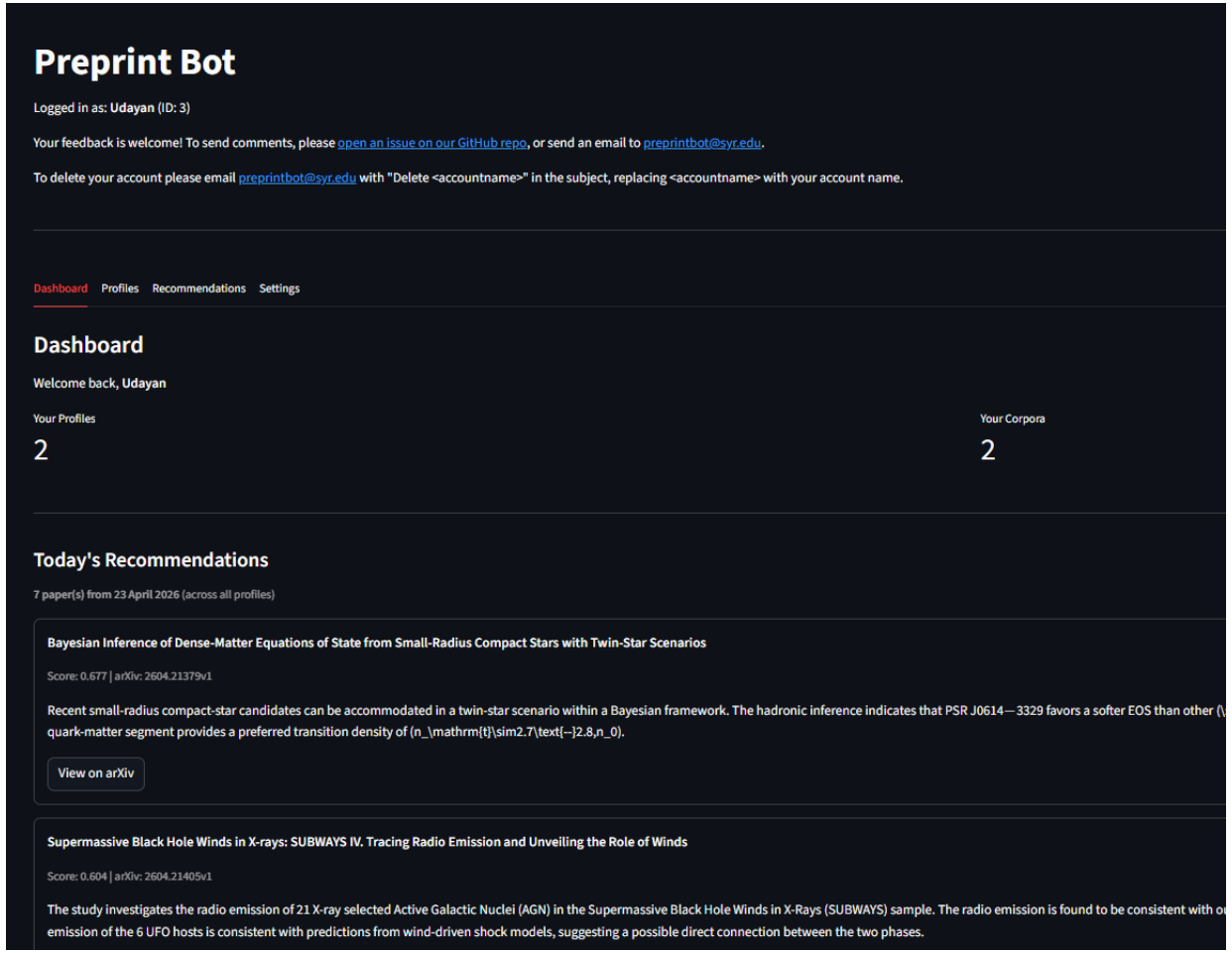
The bot can use the user’s own published work as well as other papers that user finds interesting to find new papers that focus on similar topics

Automatic & Daily

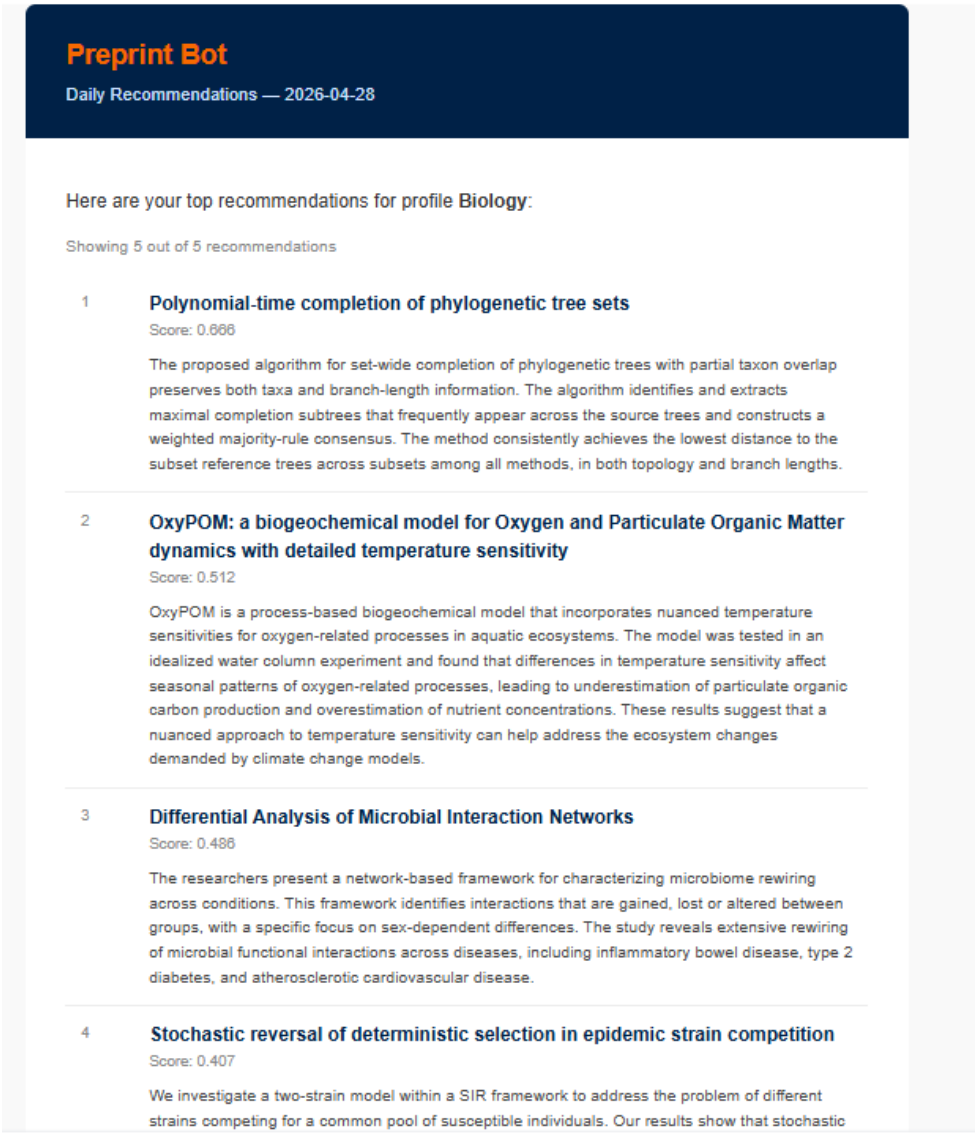
No manual work needed. The system runs every night and stays current with the latest publications automatically.

What It Looks Like

A simple website to manage preferences, and a morning email with your top picks.



Dashboard



Email

Future Plans

Flexible Email Schedule

Let users choose how often they want their digest — daily, weekly, or monthly, depending on their preference.

More Paper Sources

Expand beyond arXiv to include other preprint servers bioRxiv, medRxiv, ChemRxiv, engrXiv — covering more fields.

Feedback & Learning

Let user like or dislike recommendations so the system gets smarter about what each person finds useful.

Faster Summaries

Optimize the summary generation process to handle large corpora.

Usage Analytics

Give department leads a view into how many papers are being recommended, read, and engaged with across the university.

Custom Alerts

Notify researchers immediately when a paper above a certain relevance score is published, not just in the morning digest.

Thank You

Helping SU researchers stay on top of their field.

Try it at:

preprint-bot.syr.edu

Questions or suggestions: ospo@syr.edu