

THE IDENTIFY TOOL

Searching literature for specific pieces of knowledge, whether they are new application areas for existing products, alternative synthesis procedures or potential new additives, is time consuming, inefficient, and requires a great deal of serendipity. The Identify tool is a conversational AI which guides the researchers through the overwhelming amounts of knowledge to pinpoint the exact insights they are looking for.

HOW IT WORKS

The researcher starts a new identification process by giving the tool the chemical name and formula they are working with, and what knowledge they are looking for. The tool will draw on an extensive machine-made knowledge graph to ask clarifying questions, and for every question answered the system narrows down the potential insights found until it is manageable for the researcher to review. The results are extracted statements from literature and a list of their supporting documents. The researcher always has full access to the machine brain to review the process.

HUMAN-MACHINE RESULTS



Conversational AI is a much more intuitive way to narrow down to exactly the results you need.



The machine finds relevant and precise statements in documents, not only relevant documents.



No results is also helpful, allowing the researcher to shift focus to other projects with more potential



Training requires minimal human effort, only a set of documents in the domain and optionally an ontology of entities of interest.

WHY IRIS.AI?

Iris.ai has spent the last 5 years building an award winning AI engine for scientific text understanding. Our algorithms for text similarity, tabular data extraction, domain specific entity representation learning and entity disambiguation and linking measure up to the best in the world. On top of that

our machine builds a comprehensive knowledge graph containing all entities and their linkages to allow humans to learn from it, use it and also give feedback to the system. Applying these on scientific and technical text is a complicated challenge few others can achieve.



CONTACT

Amin Mehdipoor
amin@iris.ai