Tech Explorer

User Manual

November 2019

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Tech Explorer

Tech Explorer helps you to explore the technical areas of your interest and discover the latest technology trends and developments. In addition, it allows you to manage your personal collection of documents. Tech Explorer enables you to navigate through multiple knowledge repositories via different learning paths, find related concepts and topics in your area of interest, get a holistic view of the state-of-the-art in your area of interest, study the most relevant topics and manage your personal collection of documents.

Exploration and discovery of technologies with Tech Explorer

To explore the scientific area of your interest, you need to start a search by enter a scientific/technology term, or a snippet of text with at least 200 characters of length describing what you are looking for. Alternatively, you could upload a document containing the relevant text.

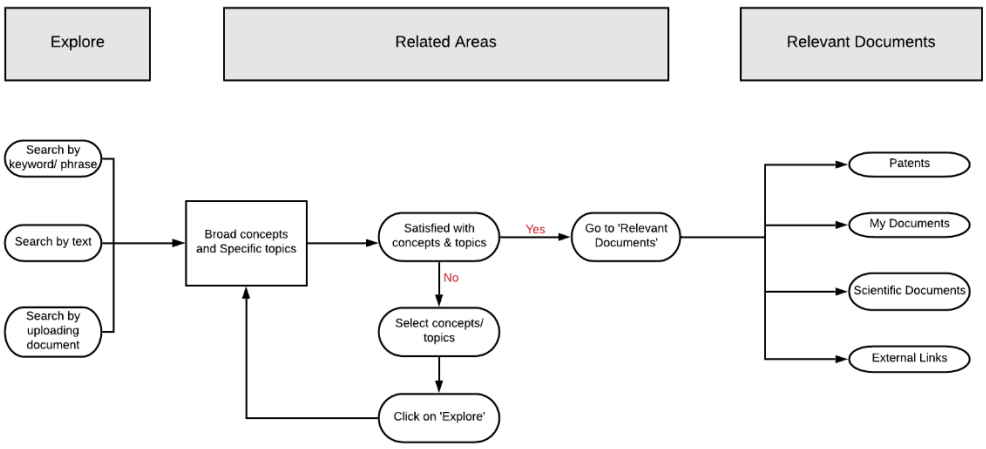
Once the search is performed, you will be directed to the Related Areas page, where you will see two tag clouds, one each for the “Broad concepts” and “Specific topics” connected to your search. The broad concepts and specific topics are logically grouped by contexts, and the grouping can be identified by the color coding – the same background indicating a similar context for the concepts and topics.

Relevant Documents are present below the tag clouds. These consist of patents, scientific documents, your personal collection of documents (tagged “My Folder”) and links to extend your search to external repositories such as Google Scholar, IEEE Explore, Google Books and Microsoft Academic Research.

Mousing over the concepts and topics gives a description of each, with a link to more information. Click to select the relevant topics and concepts to fine-tune your exploration. Clicking on the “Explore” button (bottom right) updates the tag clouds with fresh concepts and topics and refreshes the Relevant Documents section as well with related documents pertinent to the new concepts and topics. To initiate a new search or exploration, click on Back link on the top left.

Click on the Exploration History link on the top right to track the exploration path you have gone through and return to an earlier stage of your search, if you wish to do so. The Bookmark link (top right) allows you to save any stage of your exploration to conveniently access it later.

The flowchart below outlines the steps to be followed in Tech Explorer to discover technology trends.



Managing your personal collection of documents

Go to the My Folder link available at the top center of the page to upload your personal collection of documents. Once you upload the documents, you will be able to see them under 'All Documents". Expand one of the uploaded documents to view the curated summary of the document. The documents can also be automatically classified with the available categorization engine. A convenient filter is available to quickly get to the documents you are looking for.

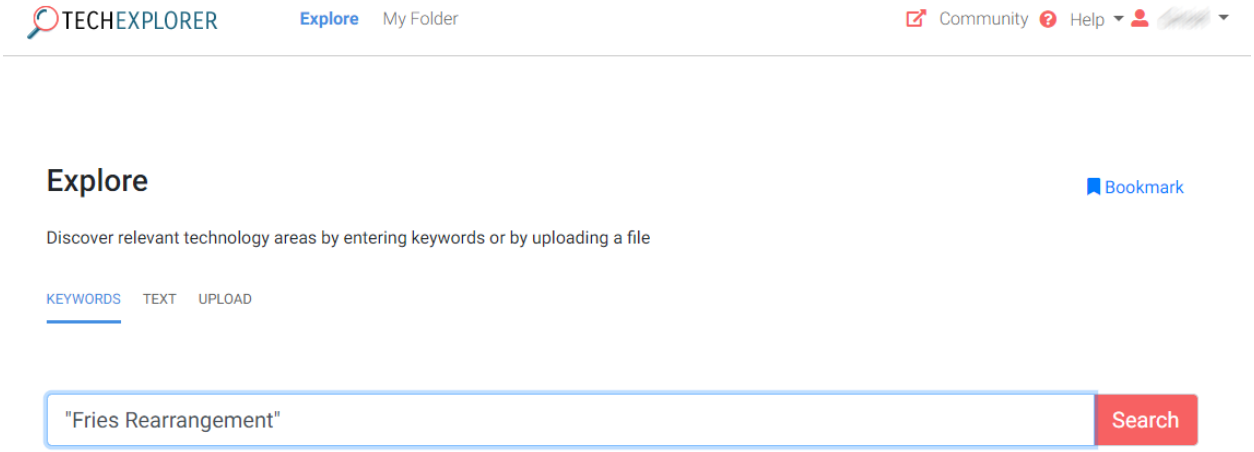
The Tech Explorer Community

The Tech Explorer Community is a discussion forum for the users of Tech Explorer. Clicking on the Community link available at the top right will redirect you to the discussion forum. You will be able to initiate a new discussion regarding anything related to Tech Explorer. You will also be able to respond to the queries of other users.

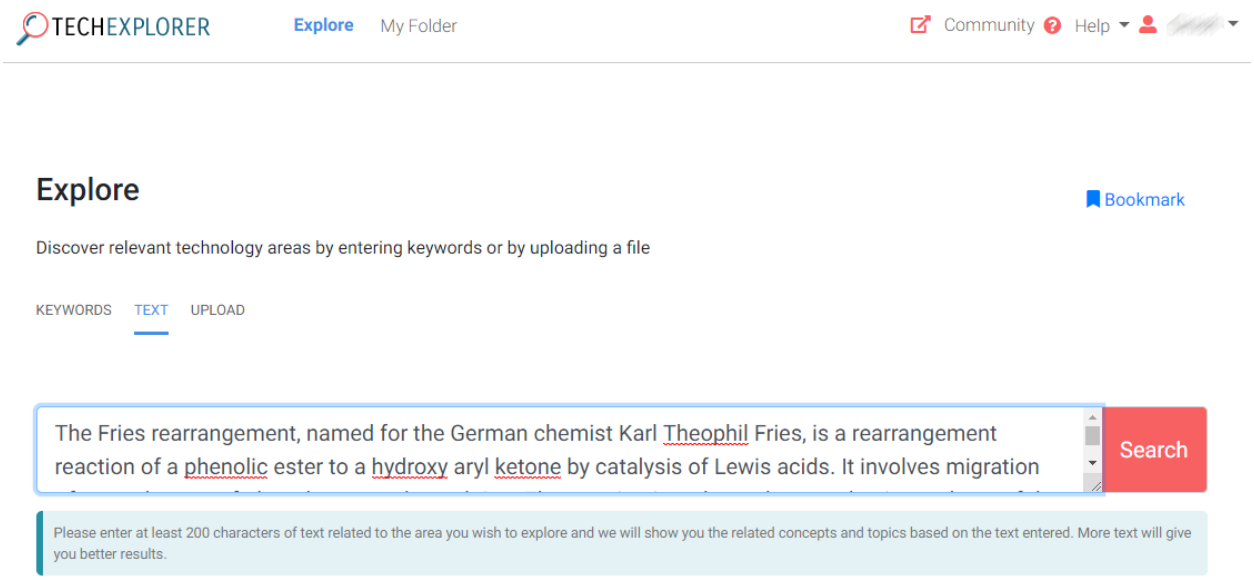
Tech Explorer – Specific Steps

Explore

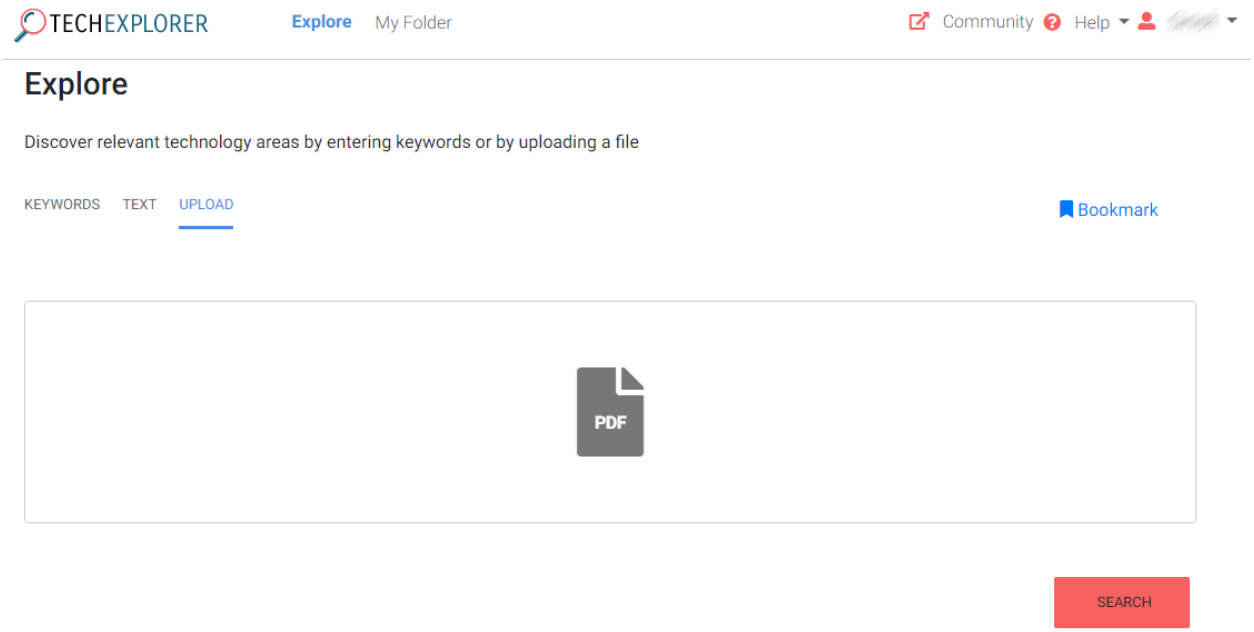
To explore the scientific area of your interest, you need to search by keywords or phrases as shown below.



To explore by inputting text, you need to enter a text snippet with at least 200 characters.

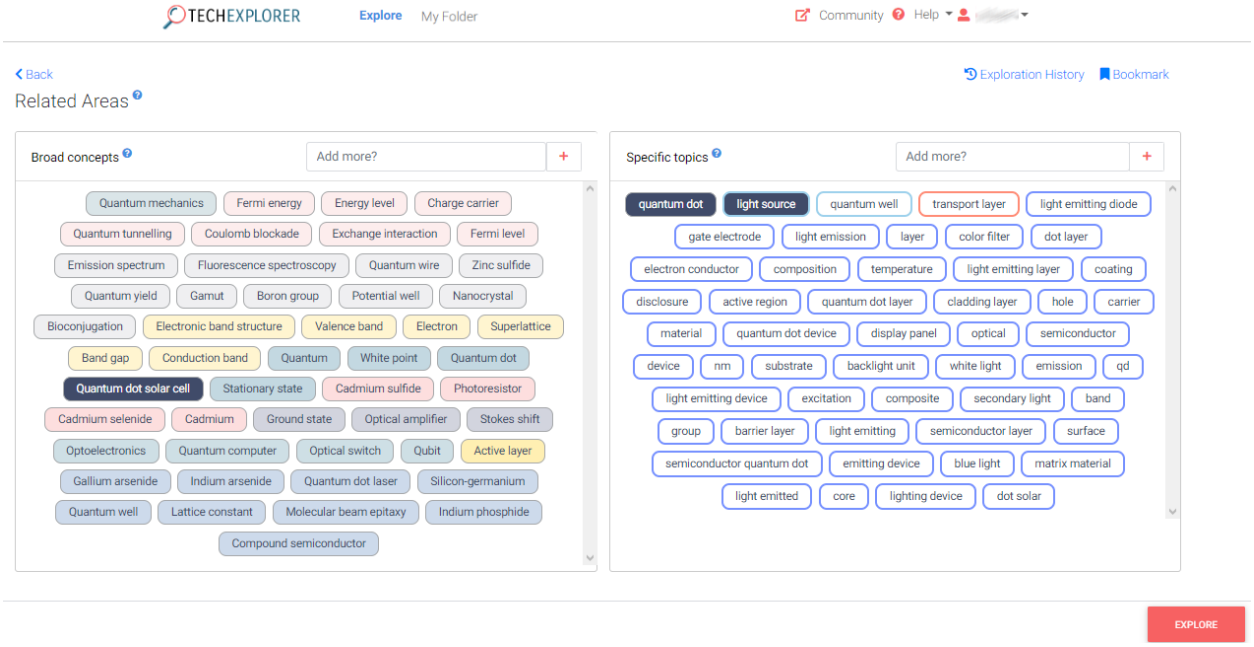


An exploration can also be initiated by uploading a document. Document formats such as doc/docx, xls/xlsx, ppt/pptx, pdf, txt and rtf are supported.

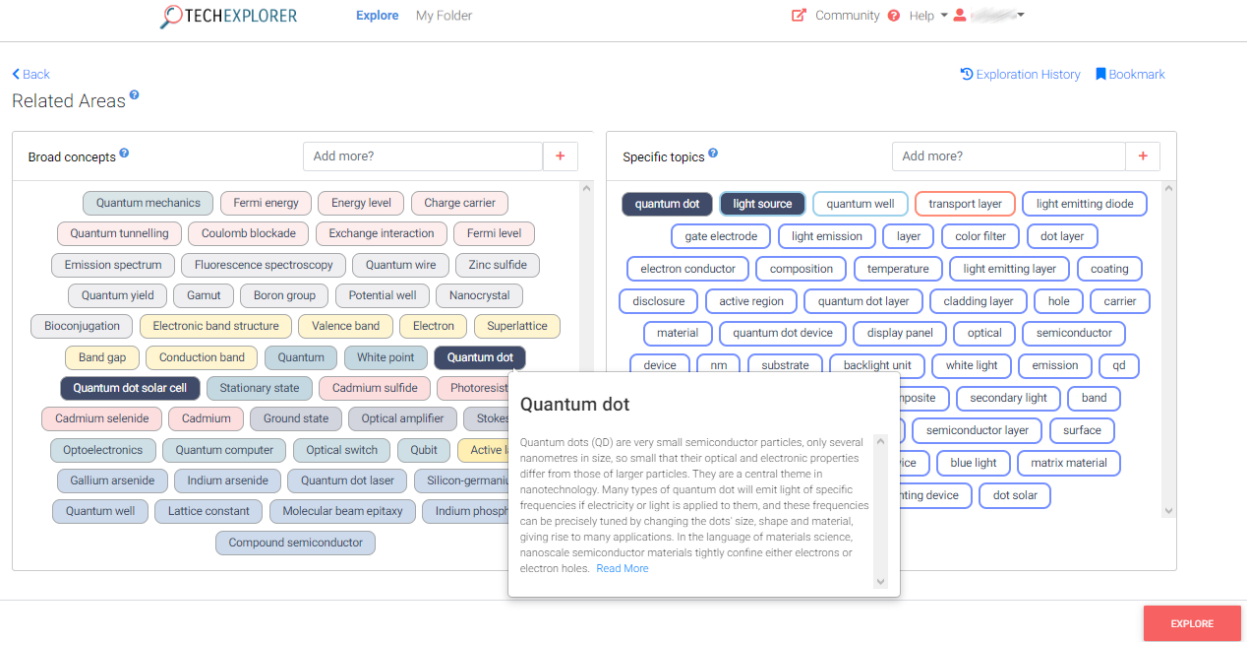


Related Areas

The Related Areas section is loaded with Broad concepts and Specific topics in a tag cloud format. The broad concepts and topics are logically grouped by context, and the grouping can be identified by the color coding.



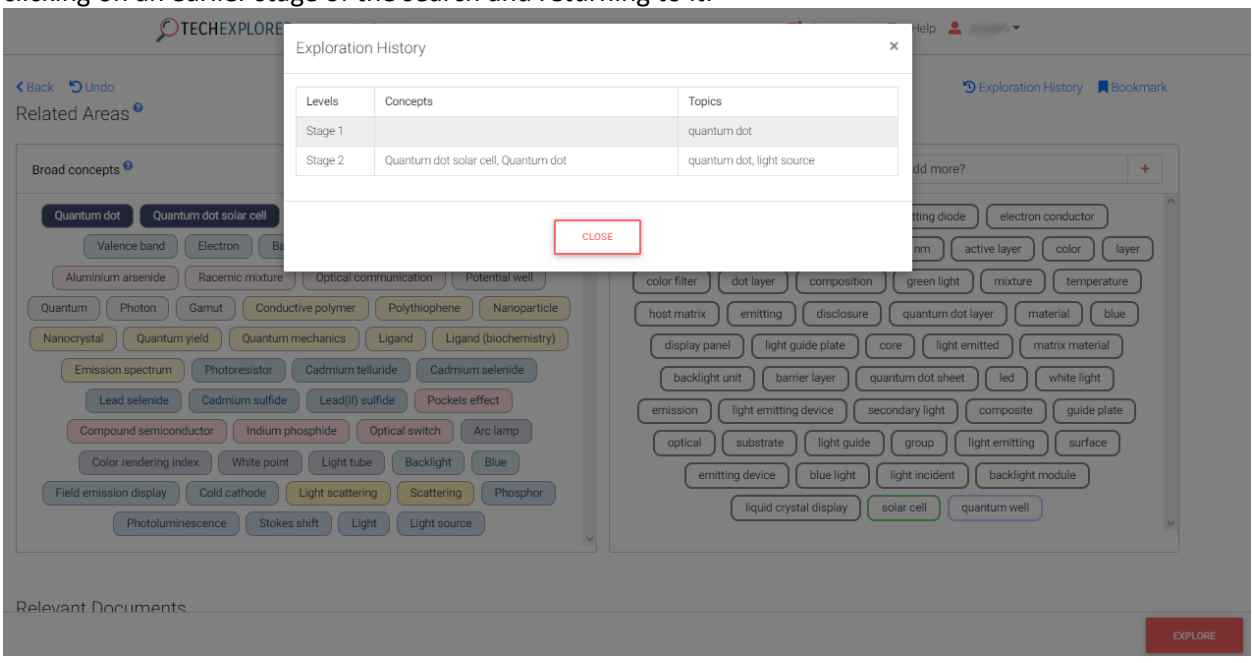
Select the relevant topics and concepts by clicking on it. Mousing over each concept or topic gives a brief description of it with a link to additional information (that opens in a separate browser tab).



Clicking on the Explore button after selection of the concepts and topics gives fresh values in the two tag clouds. The user can repeat the process of selecting relevant concepts and topics to better focus the exploration.

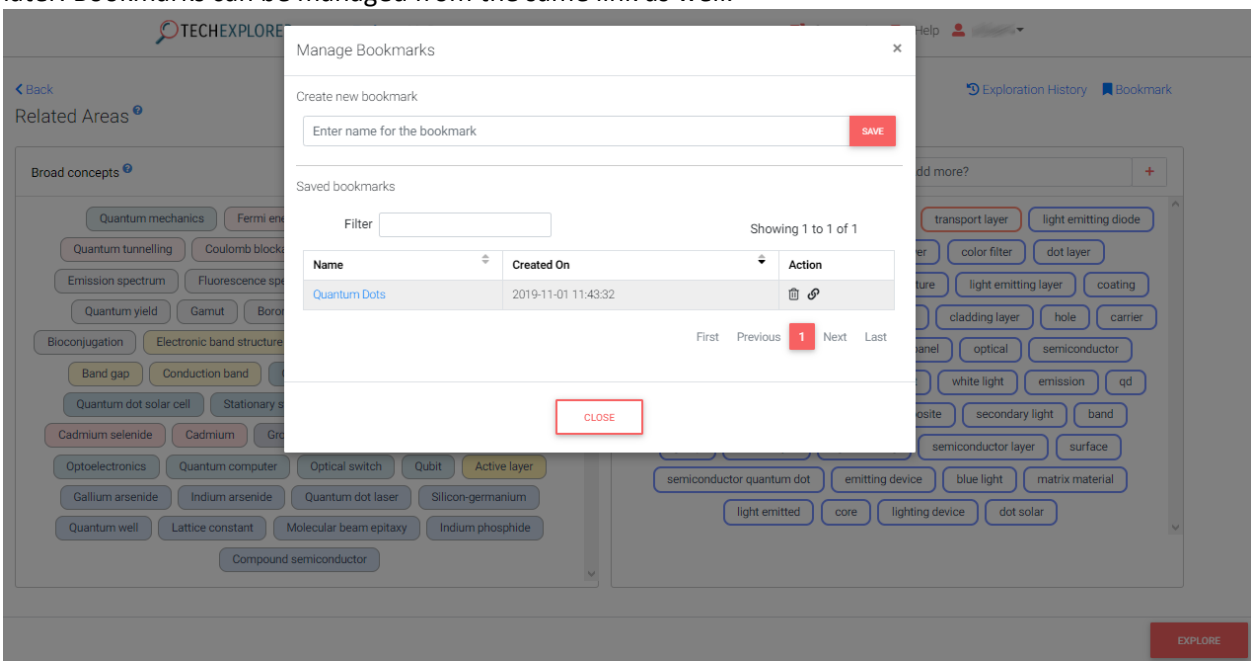
Exploration History

'Exploration History' (top right) records each stage of the search. The user may retrace their path by clicking on an earlier stage of the search and returning to it.



Bookmarks

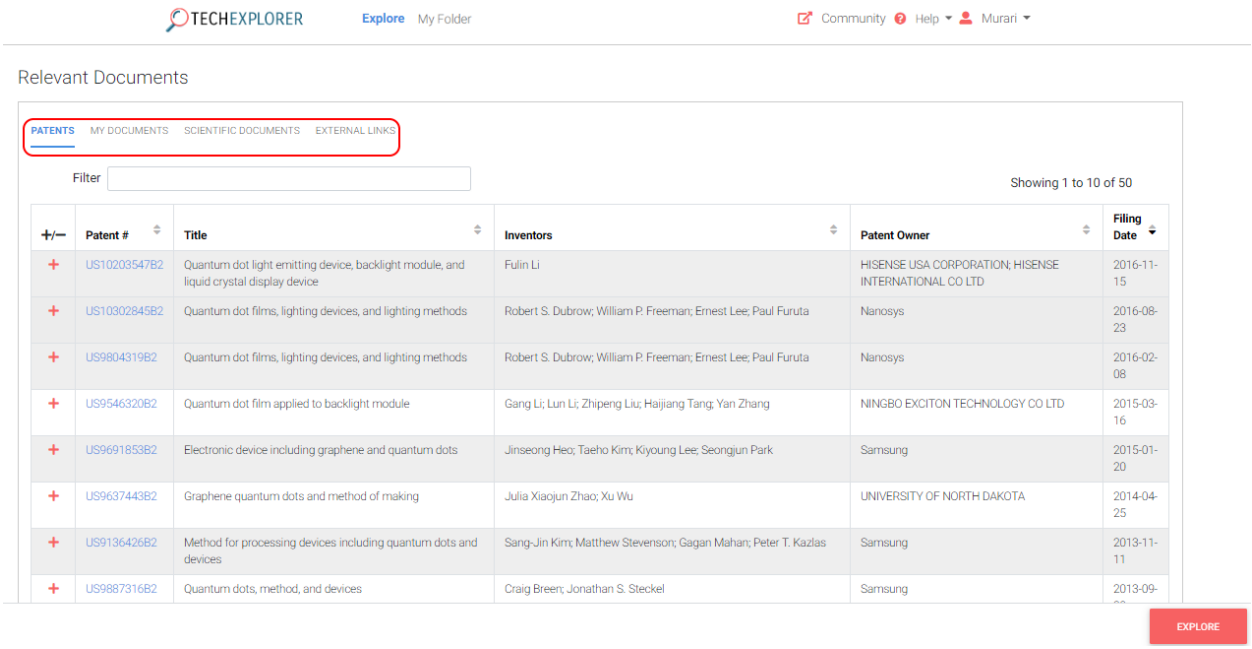
The ‘Bookmark’ link (top right) allows the user to conveniently save any stage of the exploration to revisit later. Bookmarks can be managed from the same link as well.



Relevant Documents

At each stage of the exploration, the user is presented with relevant documents. These can be accessed below the tag clouds displaying the concepts and topics (scroll down). The types of documents that are available are 'Patents', documents from the user's personal collection ('My Folder'), academic publications ('Scientific Documents'). The user may also click on access documents available at select external sites via 'External Links'.

Some of the document displays have a filter to easily locate documents of interest with keywords and a toggle (+/-) to switch between expanded and compact views of the listing.



Patents

Filter

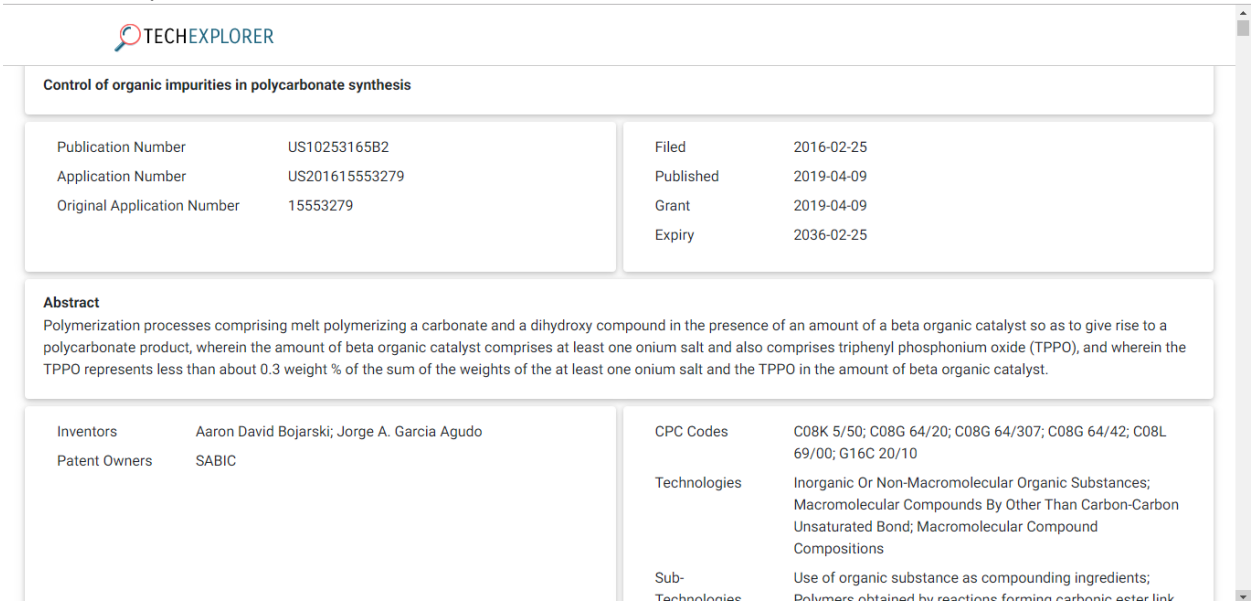
Showing 1 to 10 of 50

+/−	Patent #	Title	Inventors	Patent Owner	Date
−	US10253165B2	Control of organic impurities in polycarbonate synthesis	Aaron David Bojarski; Jorge A. Garcia Agudo	SABIC	2016-02-25

Keywords	beta catalyst; molecular weight; organic; composition; melt; alpha catalyst; reaction product; onium salt; polymerization process; phosphonium
Concepts	Polymerization; Catalysis; Heterocyclic compound; Oligomer; Organic chemistry; Polycarbonate; Fries rearrangement; Molar mass distribution; Halogen; Hydrocarbon; Polymer; Diphenyl carbonate; Carbonate ester; Potassium hydroxide; Parts-per notation; Chemical bond; Aliphatic compound; Sodium; Salt (chemistry); Phosphonium
Topics	Use of organic substance as compounding ingredients; Polymers obtained by reactions forming carbonic ester link in the main chain; Macromolecular compositions of polycarbonates; Polymers obtained by reactions forming carboxylic ester link in the main chain
Filing Date	2016-02-25
Abstract	Polymerization processes comprising melt polymerizing a carbonate and a dihydroxy compound in the presence of an amount of a beta organic catalyst so as to give rise to a polycarbonate product, wherein the amount of beta organic catalyst comprises at least one onium salt and also comprises triphenyl phosphonium oxide (TPPO), and wherein the TPPO represents less than about 0.3 weight % of the sum of the weights of the at least one onium salt and the TPPO in the amount of beta organic catalyst.

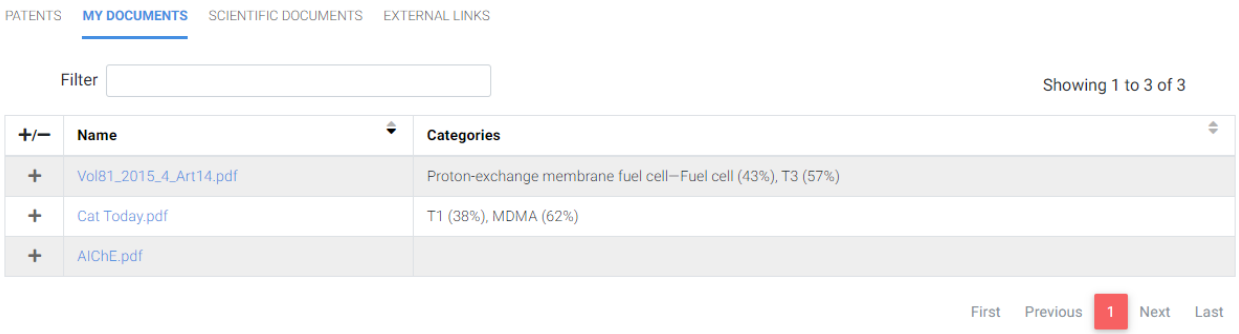
+	WO2016135672A1	CONTROL OF ORGANIC IMPURITIES IN POLYCARBONATE SYNTHESIS	DAVID BOJARSKI AARON; GARCIA AGUDO JORGE A	SABIC	2016-02-25

Click on the patent number to view the full-text of the document.

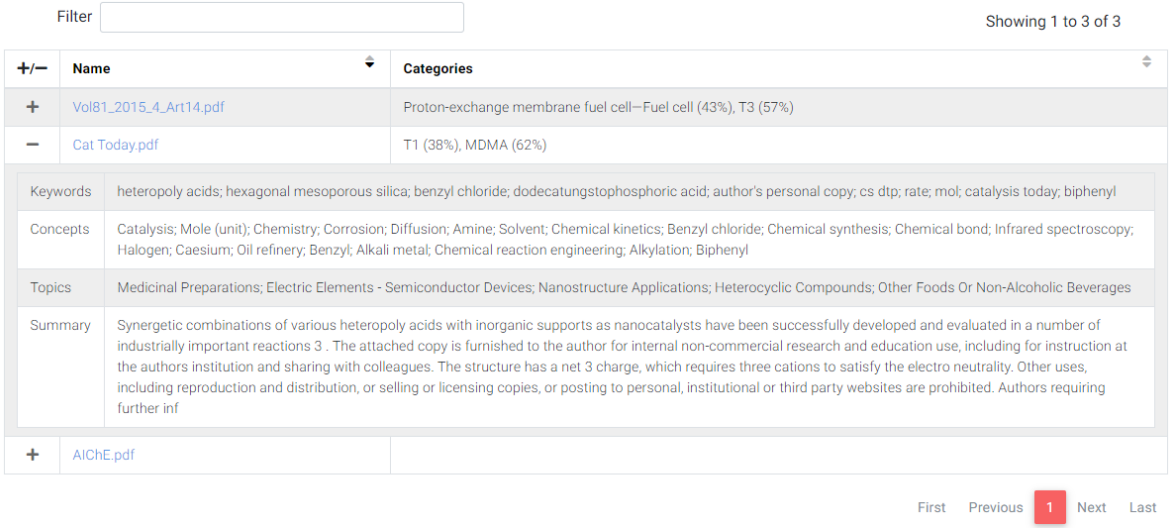


My Documents

'My Documents' displays related documents from your personal collection (in 'My Folder').

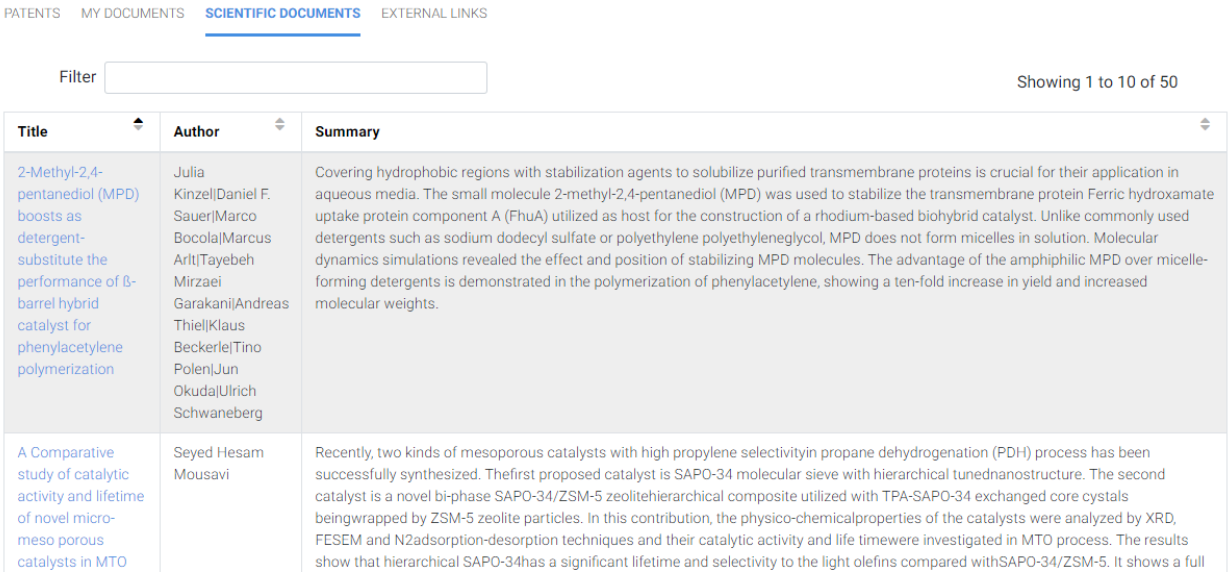


See the expanded view (click +) to view the curated parameters and auto-generated summary of the uploaded documents.



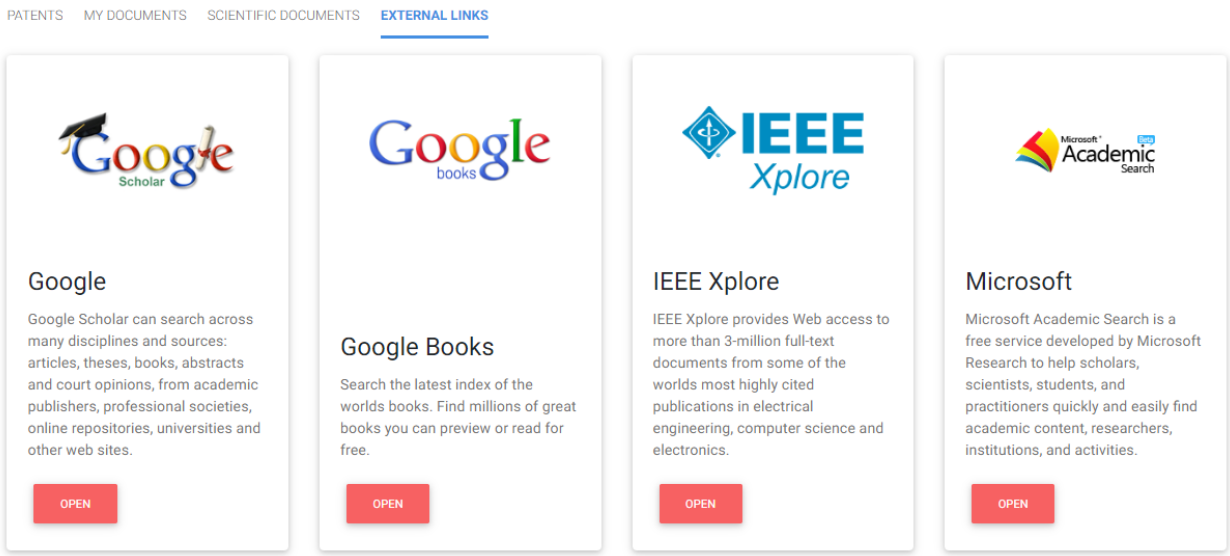
Scientific Documents

'Scientific Documents' displays the relevant academic publications.



External Links

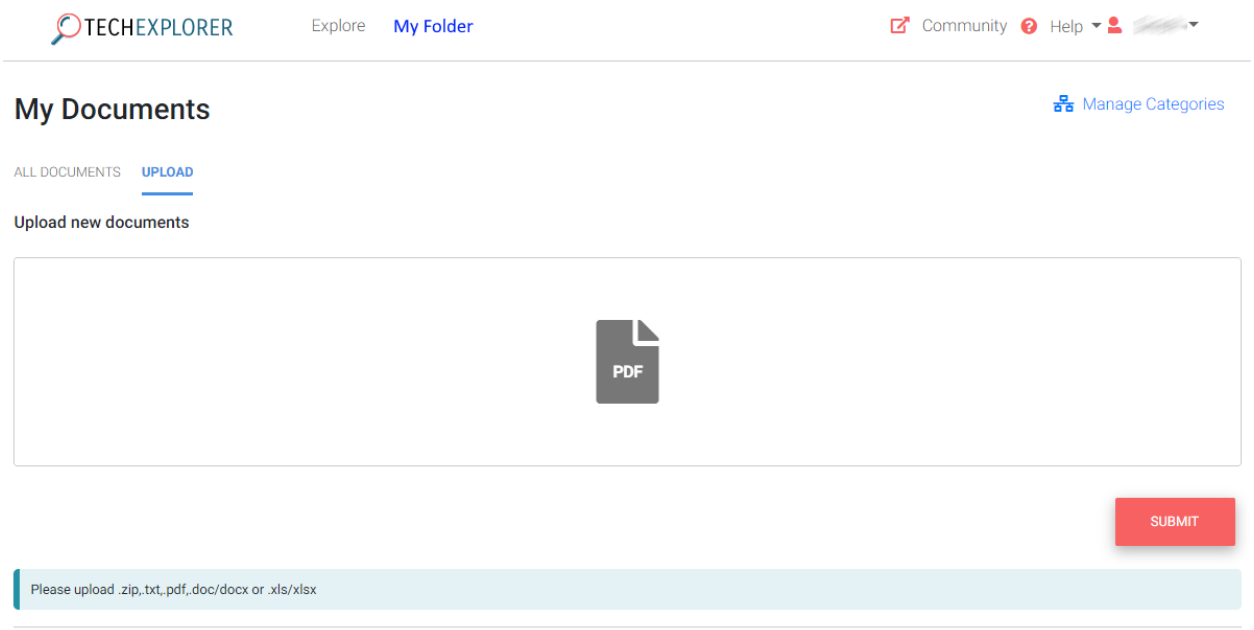
'External Links' redirects you to the external information sources.



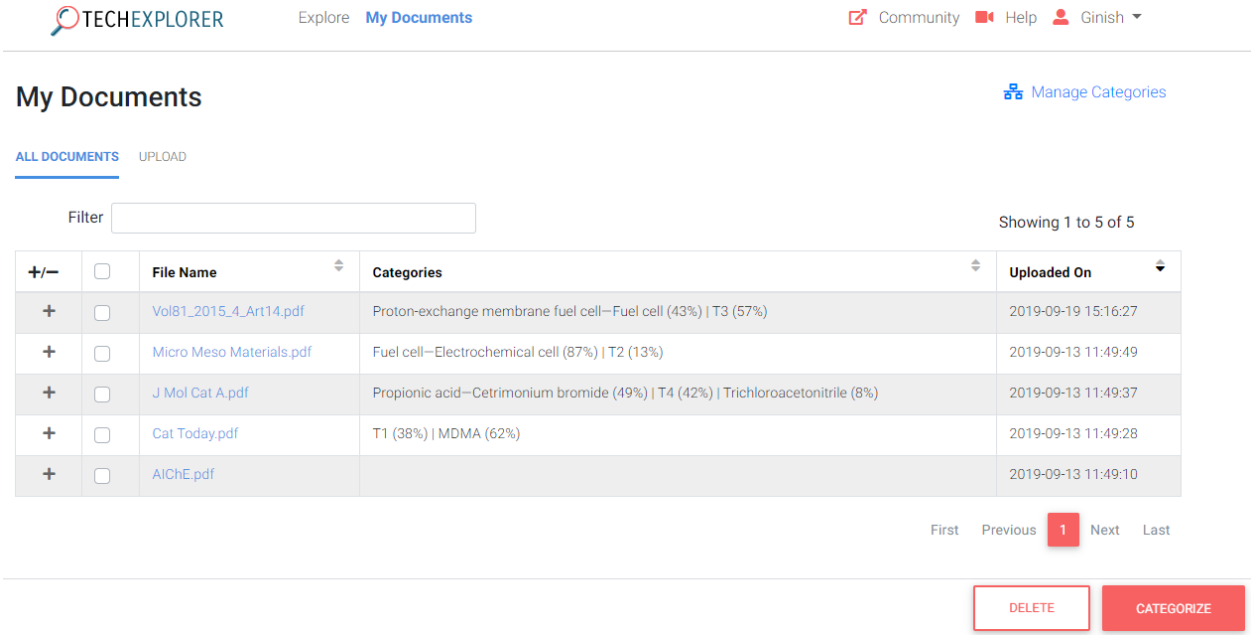
My Folder

Uploading and Curation

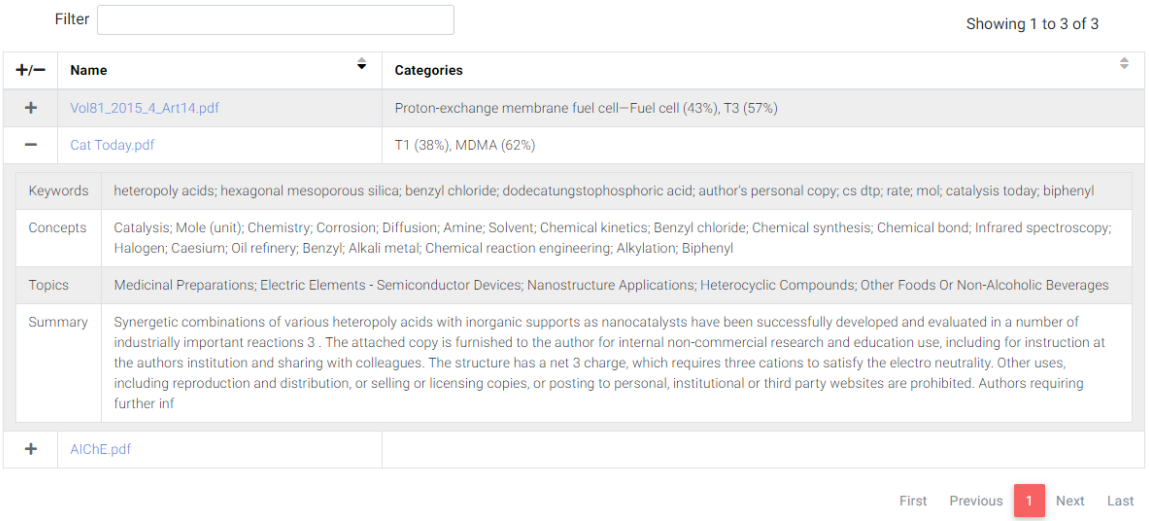
'My Folder' is an online digital locker for the user's personal collection of documents. To get started, go to the 'Upload' area and upload the documents. Documents can be uploaded individually or in a zip file. Document formats such as .txt,.pdf,.doc/docx or .xls/xlsx formats are supported.



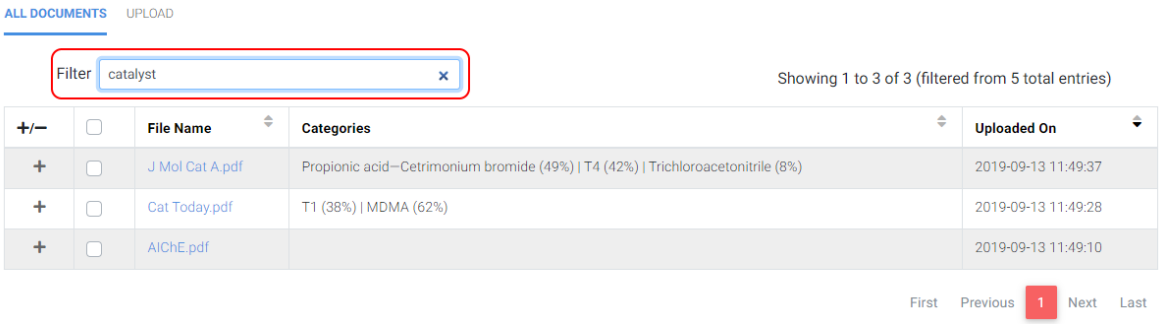
Once uploaded the user's documents can be viewed in the 'All Documents' tab.



The uploaded documents are curated with various parameters such as concepts, keywords and topics. An auto-generated summary is also generated to give an indication of what is covered in the document. These curated elements are displayed in the expanded view of the document listing. Category names are also displayed in the document listing after the documents have been categorized.

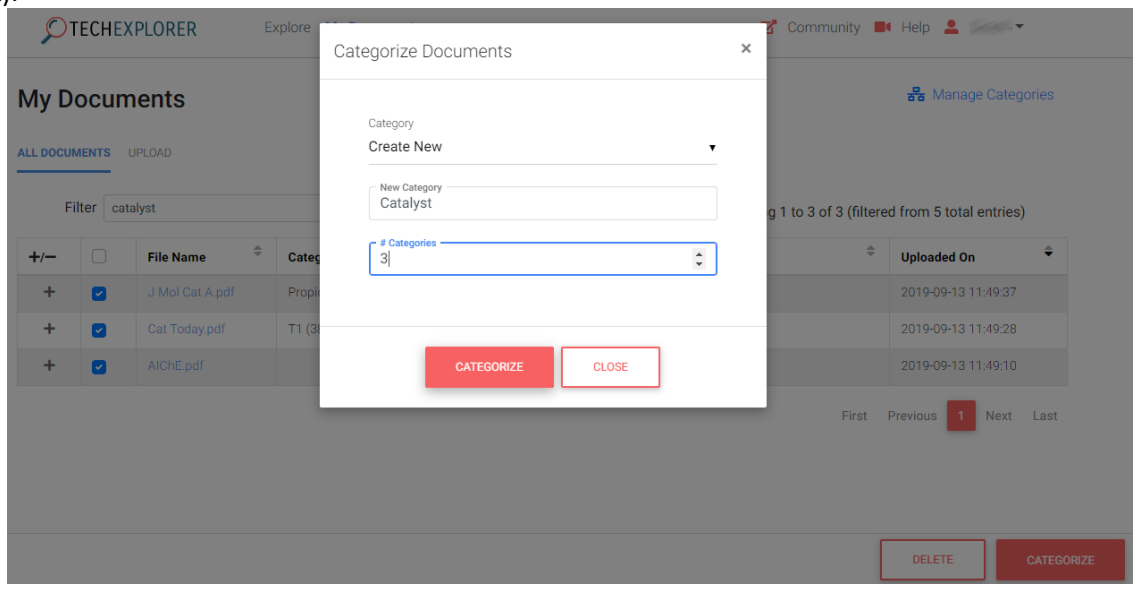


Uploaded documents can be filtered with keywords and phrases to seek out specific ones of interest.



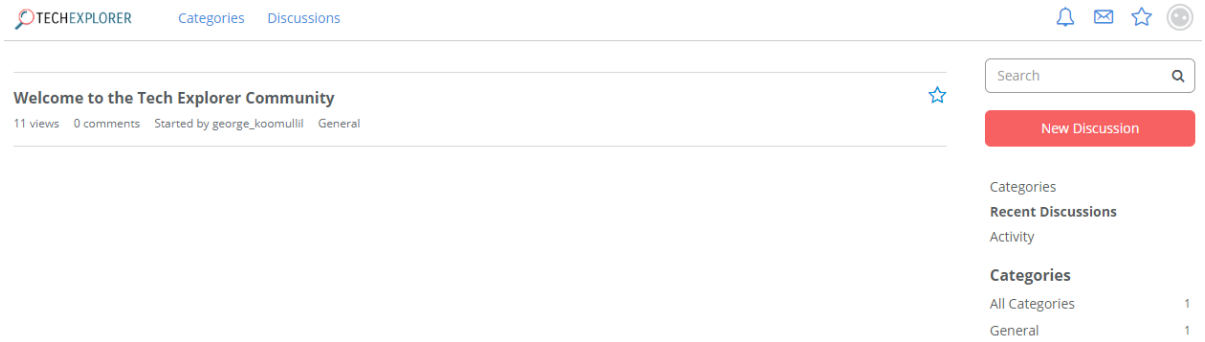
Categorization

Documents can be conveniently categorized. This can be done using different categorization schemes specifying the number of categories desired. This categorization can be redone at any time, either for the entire collection or for a subset of it. To perform the categorization, select the documents and click on 'Categorize' (bottom right). Select an earlier categorization scheme or create a new one and provide the number of categories desired. Categorization schemes can be managed with 'Manage Categories' (top right).

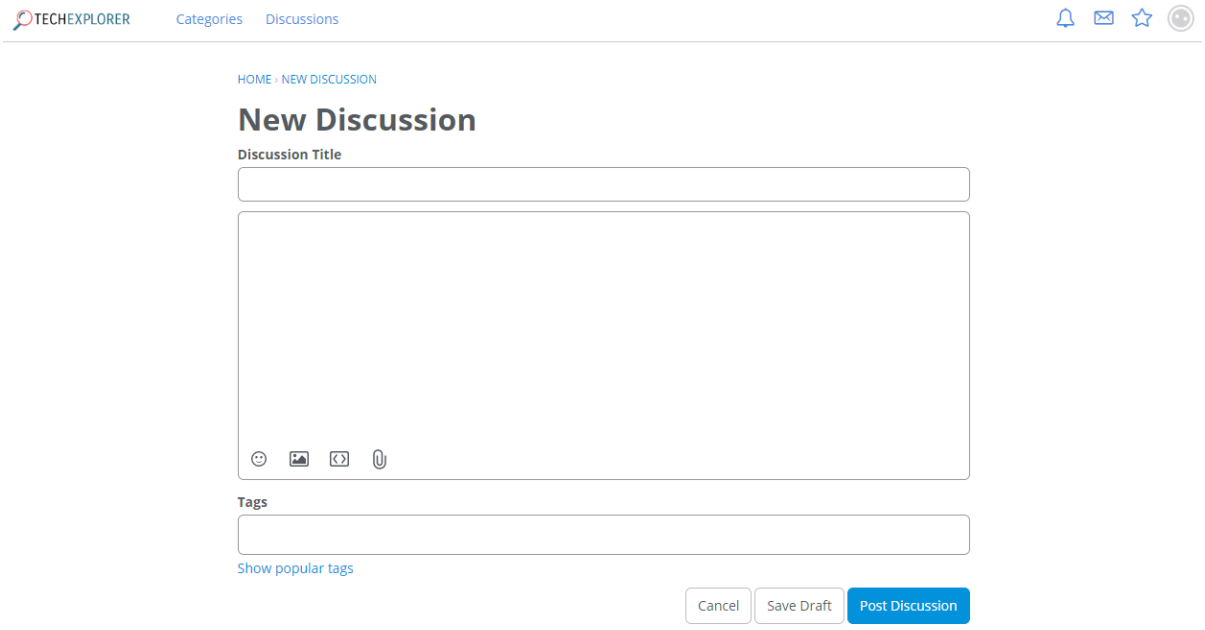


Community

The Tech Explorer Community is a discussion forum for all the users. It opens in a separate tab when accessed by the link on the top right.



User can post anything connected with Tech Explorer here by starting a new discussion thread. They can also participate in discussion threads begun by other users.



Contact Us

Do get in touch with us with your specific needs related to intelligence and decision support on all matters related to technology and its business impact. We will figure the best way to address your needs with an appropriate combination of our technology and reports. We offer a range of tailored solutions and flexible engagement models.

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About Relecura

Relecura is a full-stack cognitive cloud platform that provides custom intelligence and reports on patent portfolios, technologies and companies. It does this by capturing and organizing the knowledge from various document repositories (patents, scientific literature) and subject matter experts in a flexible and collaborative manner, into a knowledge-base.

Relecura offers IP analytics tools and a custom enterprise platform to corporations, law firms, IP services firms, R&D organizations and academic institutions. The enterprise platform integrates the discovery and analysis of public documents with internal company documents. Relecura also has an API to help create custom tools for IP and business intelligence. For more details visit www.relecura.com.