


HOW TO

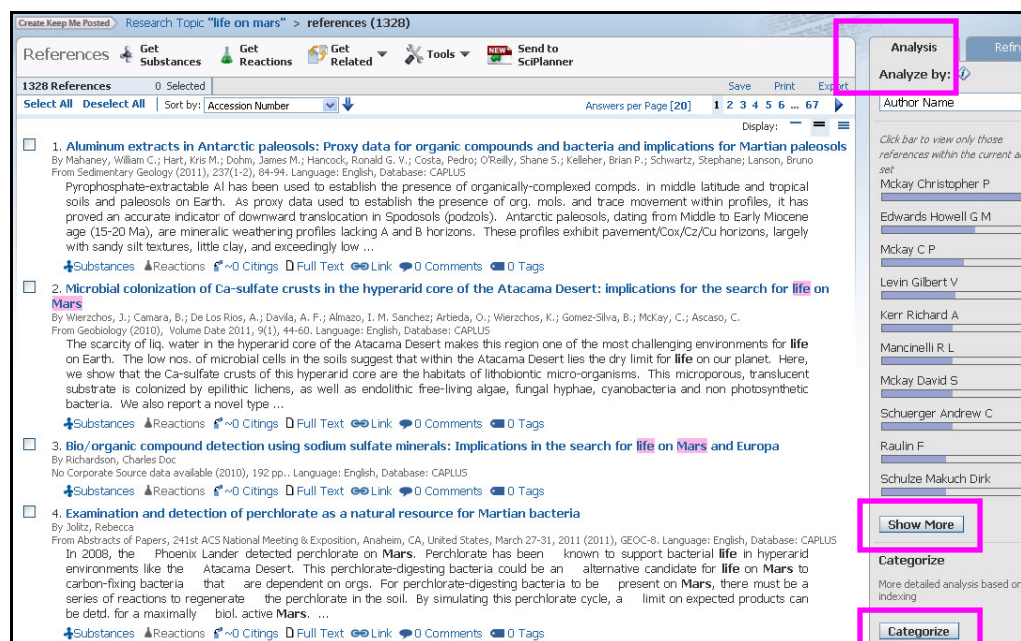
Analyze Reference Answers



Analyze is a SciFinder® tool that allows you to explore, evaluate, and review a reference answer set. You can view research trends, and identify key researchers and organizations within a subject area.

1. When references are displayed, an analysis of the answer set automatically appears at the right.

Analyze by Author Name is the default, and the first 10 analysis bars are displayed. Each bar represents a subset of the answer set. The number at the right indicates the number of answers in the subset.



The screenshot shows the SciFinder interface for a search on "life on mars" with 1328 references. The main area displays a list of references with titles like "Aluminum extracts in Antarctic paleosols..." and "Microbial colonization of Ca-sulfate crusts...". On the right, the 'Analysis' sidebar is active, showing 'Analyze by: Author Name' and a list of authors such as Mickay Christopher P, Edwards Howell G M, and Mickay C P, each with a horizontal bar representing the number of references. The 'Show More' and 'Categorize' buttons are highlighted with red boxes.

Note: Click **Show More** to see additional analysis bars (in this example – authors)

Click **Categorize** to see a more detailed analysis based on indexing terms.

2. To change the analysis category, select another option from the drop-down menu. For example, Publication Year.

The screenshot shows the 'Analysis' tab with a 'Refine' button. Under 'Analyze by:', a dropdown menu is open, listing various analysis categories. 'Publication Year' is highlighted. Below the menu, a list of authors is displayed with their names and counts, each accompanied by a progress bar. A 'Show More' button is located below the list. At the bottom, there is a 'Categorize' section with a description and a 'Categorize' button.

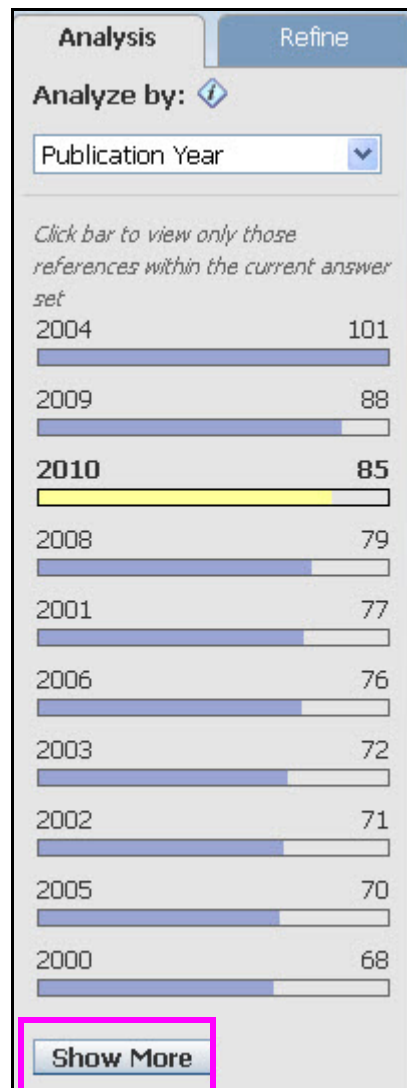
Author Name	Count
Kerr Richard A	19
Mancinelli R L	19
Mckay David S	19
Schuerger Andrew C	19
Raulin F	17
Schulze Makuch Dirk	17

Tips:

Select this option...	To identify...
Author Name	Key researchers publishing in a technology area
CAS Registry Number	Substances reported in a technology area
CA Section Title	Records with a primary technical focus
Company-Organization	Organizations actively publishing in a technology area
Database	The breakdown of records by database
Document Type	The breakdown of records by original publication type
Index Term	Records with a primary technical focus
CA Concept Heading	Records related to the concept term
Journal Name	Articles published in particular journals of interest
Language	Records written in your preferred language
Publication Year	Research trends, including newest and oldest records
Supplementary Terms	Records with a primary technical focus

3. To display just one subset, click an analysis bar.

The bar you clicked turns yellow. Although the answer set is unchanged, only the references in the analysis subset display.



To select multiple subsets at once, click **Show More**.

You can select multiple subsets (publication years) of interest. When finished click **Apply**.

The screenshot shows the 'Analysis - Publication Year' interface. At the top, it says '52 Items' and '2 Selected'. There is an 'Export' button on the right. Below that, there is a 'Sort by:' dropdown menu with 'Frequency' selected. A tooltip is visible over the dropdown, showing 'Frequency' and 'Natural Order' options. Below the dropdown, there is a 'Select bars' section with a note 'ferences within the current answer set.' The main area displays a bar chart with years on the y-axis and values on the x-axis. The years are 2004, 2009, 2010, 2008, 2001, 2006, 2003, 2002, 2005, and 2000. The values are 101, 88, 85, 79, 77, 76, 72, 71, 70, and 68 respectively. The bars for 2009 and 2010 are selected. The 'Apply' button is highlighted with a pink box.

Year	Value
2004	101
2009	88
2010	85
2008	79
2001	77
2006	76
2003	72
2002	71
2005	70
2000	68

Tip: Display the bars in your preferred order with the **Sort by** options:

- **Frequency** displays only the top 500 bars.
- **Natural Order** displays all bars in alphanumeric order.

4. The filtered answer set displays. This is indicated by the message displayed in yellow.

To create a new answer set containing only the references in the analyzed set, click **Keep Analysis**.

To return to the full answer set (without the analysis applied), click **Clear Analysis**.

Research Topic "life on mars" > references (1328)

References | Get Substances | Get Reactions | Get Related | Tools | NEW Send to SciPlanner

1326 References | 0 Selected | Save | Print

173 references with the Publication Years 2010, 2009 are displayed | Keep Analysis | Clear Analysis

Select All | Deselect All | Sort by: Accession Number | Answers per Page [20] | 1 2 3 4 5 6 ... | Display: —

2. **Microbial colonization of Ca-sulfate crusts in the hyperarid core of the Atacama Desert: implications for the search for life on Mars**
By Wierzbos, J.; Camara, B.; De Los Rios, A.; Davila, A. F.; Almazo, I. M. Sanchez; Artieda, O.; Wierzbos, K.; Gomez-Silva, B.; McKay, C.; Ascaso, C.
From Geobiology (2010), Volume Date 2011, 9(1), 44-60. Language: English, Database: CAPLUS
The scarcity of liq. water in the hyperarid core of the Atacama Desert makes this region one of the most challenging environments for life on Earth. The low nos. of microbial cells in the soils suggest that within the Atacama Desert lies the dry limit for life on our planet. Here, we show that the Ca-sulfate crusts of this hyperarid core are the habitats of lithobiontic micro-organisms. This microporous, translucent substrate is colonized by epilithic lichens, as well as endolithic free-living algae, fungal hyphae, cyanobacteria and non photosynthetic bacteria. We also report a novel type ...
+Substances | Reactions | Citings | Full Text | Link | Comments | Tags

3. **Bio/organic compound detection using sodium sulfate minerals: Implications in the search for life on Mars and Europa**
By Richardson, Charles Doc
No Corporate Source data available (2010), 192 pp.. Language: English, Database: CAPLUS
+Substances | Reactions | Citings | Full Text | Link | Comments | Tags

5. Work with references...

SciFinder allows you to work with reference answer sets in a variety of ways. For hints and tips, see the How To Guides for:

- Refine Reference Answer Sets
- Access Full Text
- Identify Related Citations
- Print, Save, and Export Results