

## STN® AnaVist™, Version 2.0 – Using Bar / Matrix Charts



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### Create a wide variety of bar and matrix charts to evaluate document relationships

STN AnaVist, Version 2.0, enables the creation of 1-dimensional Bar Charts or 2-dimensional Matrix charts for 13 different types of data:

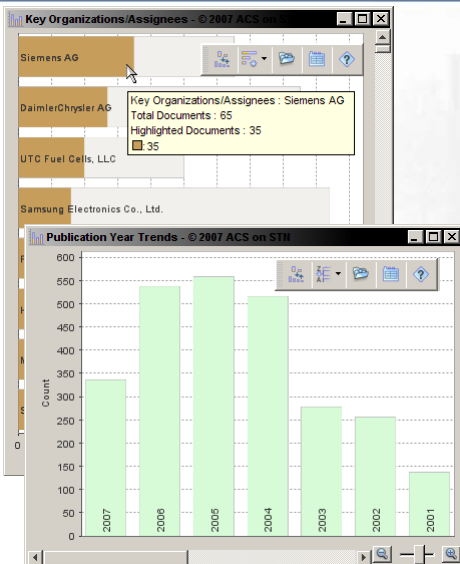
- Key Organizations/Assignees
- Key Researchers
- Document Distribution
- Publication Year Trends
- Technology Indicators
- Clustering Concepts
- Patent Classifications
- Patent Countries
- Patent Country Code/Kind Code
- Priority Application Dates
- Derwent Class
- Derwent Manual Codes
- Labels

Interactive charts are linked dynamically, and reflect document counts across the STN AnaVist environment – including Research Landscape



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## Create interactive bar charts from any or all of the available 13 data mining fields



- Bar charts reflect document counts and highlighted document counts
  - Hover over any bar to reveal document numbers
- Increase or decrease data in window using magnifying glass controls
- Choose to display highlighted bars only to remove excess data points
- Bar charts may be displayed vertically or horizontally

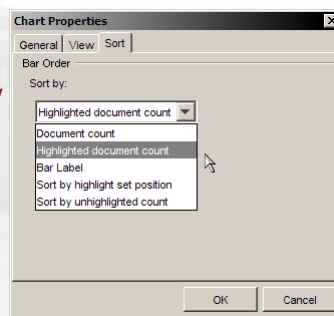
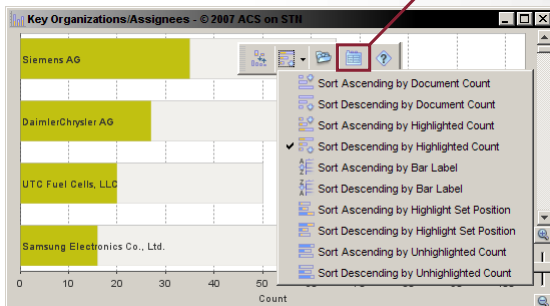


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## Customize sorting of bar chart displays for improved evaluation

Sort bar charts ascending or descending by:

- Document Count
- Highlighted Count
- Label
- Highlight Set Position
- Unhighlighted Count

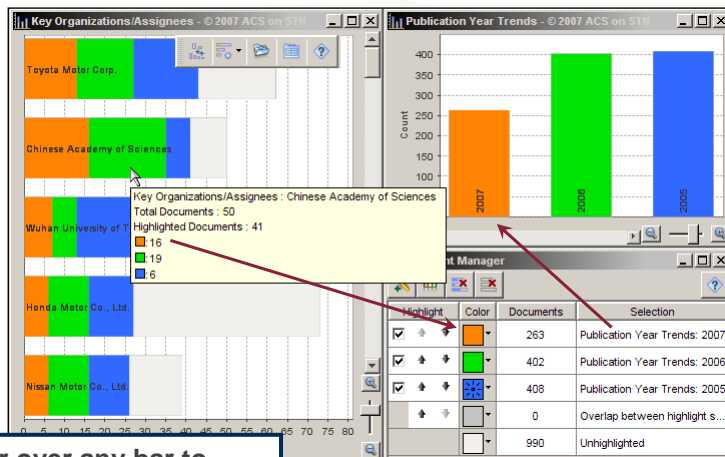


Access sorting options via the floating toolbar or chart properties.



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## Sort by Highlighted Count in bar charts reflects the total of highlighted documents

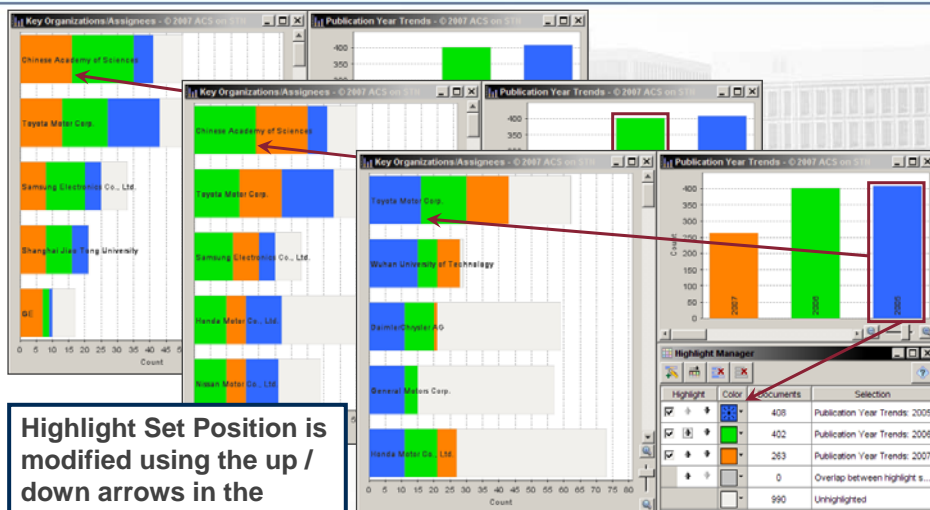


Hover over any bar to reveal document numbers by highlight color.



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## Use Sort by Highlight Set Position in bar charts to specify sorting based on Highlight Manager priority



Highlight Set Position is modified using the up / down arrows in the Highlight Manager.



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## Create matrix charts from any or all of the available 13 data mining fields

	United States of America	Japan	World Intellectual Property	WO Germany	WO United Kingdom	WO Finland	WO Switzerland
H01M	248/1236	143/620	152/807	151/804	151/802	151/801	150/800
C08J	1/127	157	108	108	108	108	108
H01B	72	2/156	90	89	89	89	89
B01J	15/132	2/42	3/73	3/73	3/73	3/73	3/73
C01B	24/121	6/33	11/61	10/60	10/60	11/61	10/60
B01D	8/61	2/58	8/91	8/91	8/91	8/91	8/91
B05D	5/60	1/32	1/34	1/34	1/34	1/34	1/34
C08L	29	84	31	31	31	31	31
C08G	45	58	52	52	52	52	52
C25B	3/44	31	2/45	2/45	2/45	2/45	2/45
B32B	2/41	15	1/21	1/21	1/21	1/21	1/21
C08F	23	1/37	31	31	31	31	31
B29C	1/23	14	15	15	15	15	15
C08K	9	21	10	10	10	10	10
G01N	2/19	8	17	17	17	17	17
C23C	1/15	5	8	8	8	8	8

- Matrix charts are cross-tabulations that show document co-occurrence counts
  - 248/1236 indicates that 248 out of a total of 1236 documents are US patents, H01M subclass, and fit criteria selected elsewhere in STN AnaVist
- Terms in matrix charts may be grouped and edited
- It is possible to create self-referencing matrix charts, such as co-assignee assignments or co-indexing



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## Similar sorting options are available for matrix charts via the chart properties window or sort button

Sort matrix charts ascending or descending by:

- Document Count
- Highlighted Count
- Label

	United States of America	Japan	World Intellectual Property	WO Germany	WO United Kingdom	WO Finland	WO Switzerland
H01M	248/1236	143/620	152/807	151/804	151/802	151/801	150/800
C08J	1/127	157	108	108	108	108	108
H01B	72	2/156	90	89	89	89	89
B01J	15/132	2/42	3/73	3/73	3/73	3/73	3/73
C01B	24/121	6/33	11/61	10/60	10/60	11/61	10/60
B01D	8/61	2/58	8/91	8/91	8/91	8/91	8/91
B05D	5/60	1/32	1/34	1/34	1/34	1/34	1/34
C08L	29	84	31	31	31	31	31

Chart Properties

General | View | Sort

Row/Column Order

Sort by:

Co-occurrence frequency

Custom

Rows: Highlighted document count

Ascending  Descending

Columns: Document count

Document count

Highlighted document count

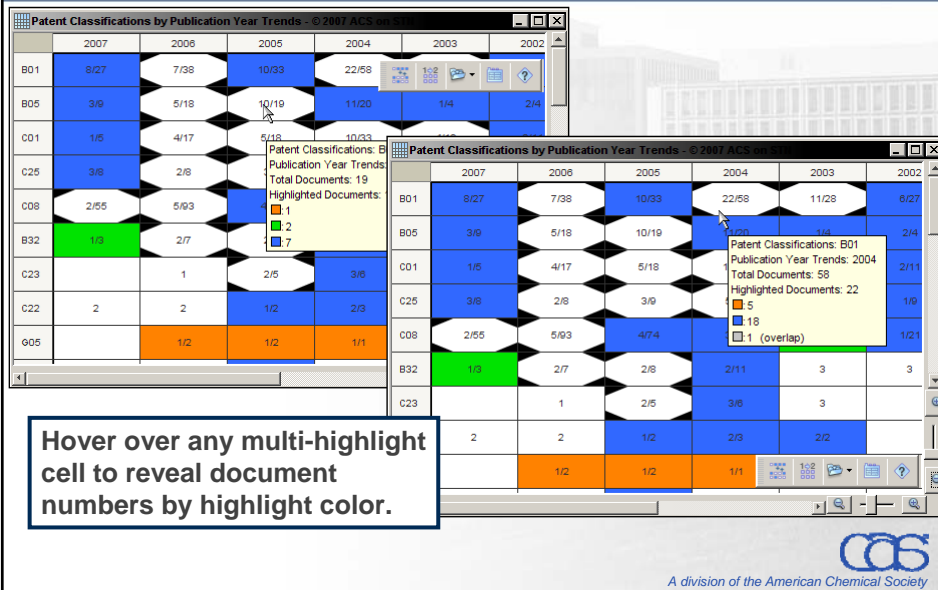
Bar Label

OK Cancel



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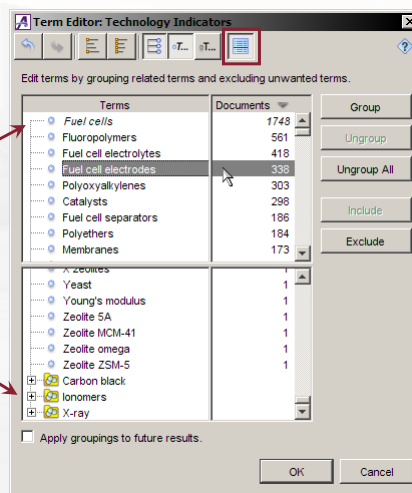
## In matrix charts, cells with multiple highlighting identified with triangular black corners



## STN AnaVist allows term editing for all 13 data fields to improve statistical relevance of charts

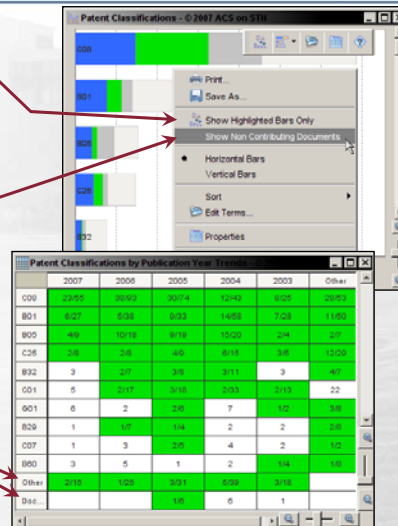
- Right-click in any chart to access term editing, or click the Edit Terms icon in the floating toolbar
- Group similar terms together (folders), or exclude terms from evaluation (italics)
- Show Split Pane for easier evaluation of terms across the Term Editor
- Save grouping for future results

**Term editing clustering concepts changes both the Research Landscape and relevant charts.**



## Bar and matrix charts contain advanced options available by right-click or the properties window

- Reduce fields displayed by 'Show Highlighted Bars Only' or 'Show Only Rows/Columns with Highlighting' option
- In selected data fields, view document counts with no data available – 'Show Non Contributing Document' or 'Show No Information Available Category'
- Choose number of bars / rows / columns to view, and optionally merge remaining data
- Use 'Drill Down' feature to review documents without modifying highlighting



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## To obtain software, download Version 2.0 or order a CD-ROM

To license and download software, visit the STN Software License and Download web site

In North America, visit:

<https://casweb.cas.org/stnexpress/html/english/login.html>

In Europe, visit:

<http://downloads.stn-international.de/stndownloads.html>

To order software on CD-ROM, fax or mail a completed STN AnaVist Order Form or contact your local service center.



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## Version 2.0 Resources

- **STN AnaVist web pages**
- **Tutorials**
  - Using Bar/Matrix charts
  - Using the Documents Window
  - Using Labels
  - Using Highlighting
  - Using the Research Landscape
  - Using the Research Landscape - Custom Visualizations
  - Using the Research Landscape - Editing Terms
  - Using Project Sharing
- **“Introduction to STN AnaVist, Version 2.0”**
- **“Using STN AnaVist, Version 2.0”**



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## STN<sup>®</sup> AnaVist<sup>™</sup>, Version 2.0 – Using Bar / Matrix Charts



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