



STN[®]: Creating Superior
Document Sets for STN[®]
AnaVist[™], Version 2.0



Today's presenters are...



Matt
McBride



Steve
Dueball

Analysis and visualization tools enhance existing search technologies

- Analyze the patent landscape
- Track competitive intelligence
- Discover new applications for existing technology
- Determine research trends
- Support strategic business planning

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The first step to a valuable analysis and visualization is a superior answer set

- Good data in leads to good data out
- Leverage STN tools and commands to achieve a superior document set
- Harness the power in the ability to subset answer sets in STN AnaVist
- Objective is to cast a wider net than usual in STN searches

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Goals for this seminar include...

- Feature overview of STN AnaVist, Version 2.0
- Building superior answer sets for analysis and visualization
- Creation of custom visualizations with optional data fields for clustering
- Use of subset visualization to eliminate irrelevant documents



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STN AnaVist provides advanced tools for collecting and efficiently analyzing answers from STN files

- STN AnaVist automatically creates interactive visualizations that are linked dynamically
- A group of interactive charts is created
 - 1-dimensional Bar Charts
 - 2-dimensional Matrix Charts
 - Research Landscape
- Access to the documents is always maintained
- Ability to return selected document records to STN



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STN AnaVist, Version 2.0, improves upon advanced features already available in STN AnaVist, Version 1.1

- Integrated content from multiple files
 - CAplusSM family of files, Derwent World Patents Index[®] (DWPISM), PCTFULL, and U.S. full-text patent files
- Custom Clustering and Backup fields
 - Title/Abstract (default), Technology Indicators, IPC, Exemplary/First Claim, All Claims
- Multi-color highlighting capabilities
- Document labeling

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Getting started with STN AnaVist, Version 2.0

- STN AnaVist, Version 2.0 – FREE
 - Available from the STN Software License and Download Web site
- STN Express[®], Version 8.3 – FREE
 - Available from the STN Software License and Download Web site
- Visit
<https://casweb.cas.org/stnexpress/html/english/login.html>

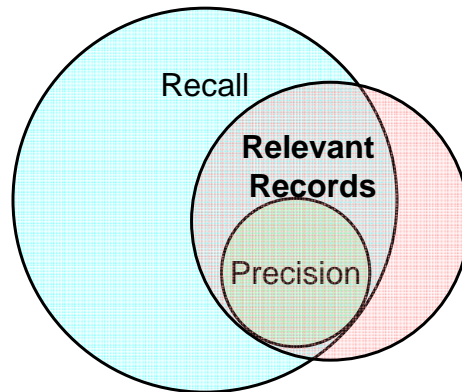
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Increase your search query recall to maximize use of STN AnaVist

- Precision
 - Percentage of relevant records found versus total records retrieved
- Recall
 - Percentage of relevant records found versus total relevant records



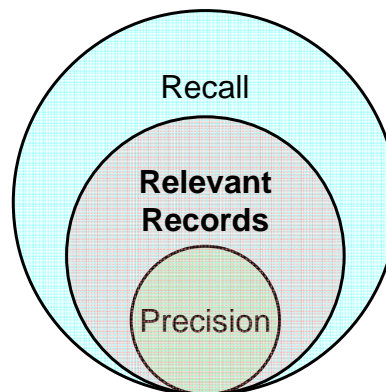
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An effective STN search strategy will lead to a better STN AnaVist visualization

- Two goals
 - Maximize recall
 - One document per invention family
- Focus on sequential versus simultaneous multifile searching
- Further refinement (reduction) of document sets possible within STN AnaVist



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Increasing recall requires a comprehensive search using all available tools

- Free-text searching – caution when using full-text patent files
- Controlled terminology – CA Lexicon
- Patent Classifications – IPC, NCL, ECLA, etc.
- Patent Assignee – Company Name Thesaurus and Derwent Patent Assignee Code (PACO)
- Extended searching in databases not supported by STN AnaVist, Version 2.0

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Consider extending the use of STN AnaVist, Version 2.0, with non-supported databases

- CASLINK/MARPAT® – crossover resulting patent answers to CPlus
- INPADOCDB – utilize additional patent classification and authority coverage
- Patents Citation Index (PCI)
- Additional full-text patent files
 - EPFULL
 - FRFULL
 - GBFULL
 - PATDPAFULL

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Shifting the search mindset to achieve maximum record recall

Search Question:

Your company is interested in understanding the current state of single- and double-walled carbon nanotubes produced via chemical vapor deposition.



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Nanotubes are cylindrical fullerenes with unique mechanical and electrical properties

Single-walled carbon nanotubes (SWNT)

- Diameter near 1nm, variable tube length
- Exhibit important electric properties, excellent conductors
- Expensive production techniques limit commercial-scale applications

Double-walled carbon nanotubes (DWNT)

- Two layers of graphite
- Improved chemical resistance over SWNT
- Allows chemical modifications for functionalization
- Both SWNT and DWNT can be produced via chemical vapor deposition processes



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Consider all possible term options prior to STN login

- Single/double walled (carbon) nanotube
 - Nano tube, etc.
- SWNT/SWCNT
DWNT/DWCNT
- Nanotubes/CT
 - (L) single/double walled
- Carbon fibers/fibres
- Others?
- Vapor (phase) deposition
- Evaporation coating
- Film deposition
- CVD
- Coating process
- Others?

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Remember to use your STN SET options to control search terms and feedback

- Consider changing the following SET options to enhance the search process
 - SET ABBREVIATIONS ON
 - SET PLURALS ON
 - SET DETAIL ON
 - SET AUDIT ON
- ABBREVIATIONS available in both CPlus and DWPI – Use **HELP ABBR** for more details
- PLURALS advisable in most cases, although use caution with shorter acronyms and terms

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Technology terms in thesauri are not always granular enough for your query

```

=> FIL HCAPLUS
=> E NANOTUBES+MAX/CT
E1      63970    BT2 Particles/CT
E2      37390    BT1 Clusters/CT
E3      28173    BT2 Apparatus/CT
E4      369      BT1 Nanodevices/CT
E5      29917    BT1 Nanostructures/CT
E6      39454    --> Nanotubes/CT
                    HNTE Valid heading during volume 126 (1997)
                    to present.
E7      39454    OLD Capillary tubes and channels (L)
                    nanotubes/CT
E8      39454    UF Nanotube/CT
E9      11662    RT Fullerenes/CT
E10     4395     RT Nanofibers/CT
E11     4395     RTCS Boron nitride/CT
E12     4395     RTCS Carbon/CT
E13     4395     LT Nanotubes (L) carbon/CT
E14     4395     LT Nanotubes (L) carbon fibers/CT
***** END *****

```

Consider including OLD linked terms, if appropriate.

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Modify term proximity to increase recall

```

=> S (SINGLE OR DOUBLE) (W) (WALL? CARBON NANOTUBE?)
L1      9929 (SINGLE OR DOUBLE) (W) (WALL? CARBON NANOTUBE?)

=> S (SINGLE OR DOUBLE) (3W) (WALL? CARBON NANOTUBE?)
L2      10154 (SINGLE OR DOUBLE) (3W) (WALL? CARBON NANOTUBE?)

=> S (SINGLE OR DOUBLE) (3W) (WALL?) (3W) (CARBON NANOTUBE?)
L3      10336 (SINGLE OR DOUBLE) (3W) (WALL?) (3W) (CARBON NANOTUBE?)

=> D KWIC
TI      . . . dynamical treatment for the total potential energy
        of single-walled carbon nanotubes and its applications:
        relaxed equilibrium structure, elastic properties, . . .
AB      . . . dynamic treatment for the total potential energy of
        single-walled carbon nanotubes (SWCNTs) which is, apart from
        a parameter for. . .

```

Separate individual terms with proximity and distance as appropriate.

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Create multiple L#s to avoid the impact of errors and implied concepts in your search queries

Rule of Thumb:

Multiple line numbers for individual concepts are better than a single search statement.

```
=> S (SINGLE OR DOUBLE) (3W) (WALL?) (3W) (NANOTUBE?)
L4      12144 (SINGLE OR DOUBLE) (3W) (WALL?) (3W) (NANOTUBE?)

=> S (SINGLE OR DOUBLE) (3W) (WALL?) (3W) (NANOTUBE? OR NANO
TUBE?)
L5      12163 (SINGLE OR DOUBLE) (3W) (WALL?) (3W) (NANOTUBE? OR NANO
TUBE?)

=> S (SINGLE OR DOUBLE) (3A) (WALL?) (3A) (NANOTUBE? OR NANO
TUBE?)
L6      12379 (SINGLE OR DOUBLE) (3A) (WALL?) (3A) (NANOTUBE? OR NANO
TUBE?)
```

NOTE: Nanotubes typically imply presence of carbon.



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Enhance search strategies and combine

```
=> S (SINGLE OR DOUBLE) (3A) (WALL?) (3A) (NANOTUBE? OR NANO
TUBE?)
L6      12379 (SINGLE OR DOUBLE) (3A) (WALL?) (3A) (NANOTUBE? OR NANO
TUBE?)

=> S (SWNT OR SWCNT OR DWCNT OR DWNT)
L7      6817 (SWNT OR SWCNT OR DWCNT OR DWNT)

=> S NANOTUBES/CT(L) ((SINGLE OR DOUBLE) (3A)WALL?)
L8      6951 NANOTUBES/CT(L) ((SINGLE OR DOUBLE) (3A)WALL?)

=> S L6-L8
L9      12814 (L6 OR L7 OR L8)
```

Although portions of our search query may retrieve non-relevant records, our aim is to maximize recall. Alternate technologies should separate from our intended query in the Research Landscape.



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Evaluate availability of controlled terminology in the CA Lexicon

=> E VAPOR DEPOSITION PROCESS+NT/CT

E9	101283	-->	Vapor deposition process/CT HNTE Valid heading during volume 126 (1997) to present.
E10	23501	OLD	Vapor deposition processes/CT
E11		UF	Deposition/CT
E12		UF	Evaporation coating/CT
E13		UF	Film deposition/CT
E14		UF	Low-pressure vapor deposition/CT
E15		UF	Plating/CT
E16		UF	Vapor-phase deposition/CT
E17	2014	NT1	Electron beam evaporation/CT
E18	123	NT1	Hot filament vapor deposition/CT
E19	69845	NT1	Sputtering/CT
• • •			
E23	148960	RT	Coating process/CT
E24	38490	RT	Electrodeposition/CT
E25	984	RT	Hardfacing/CT
E26	4395	RT	Nanofibers/CT
E27		RT	Polymerization (L) vapor-deposition/CT
E28	11221	RT	Vapor deposition apparatus/CT

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Related terms might point to viable alternatives to enhance recall

=> E VAPOR DEPOSITION APPARATUS+ALL/CT

E1	11221	-->	Vapor deposition apparatus/CT HNTE Valid heading during volume 126 (1997) to present.
E2		OLD	Coating process (L) chemical-vapor, apparatus/CT
E3		OLD	Vapor deposition processes (L) apparatus/CT
E4		UF	CVD apparatus/CT
E5		UF	CVD reactor/CT
E6		UF	Chemical-vapor deposition apparatus/CT
E7		UF	Chemical vapor deposition apparatus/CT
E8		UF	Phys. vapor deposition apparatus/CT
E9		UF	Vapor deposition apparatus/CT
E10		UF	Vapor-phase deposition apparatus/CT
E11	3585	RT	Coating apparatus/CT
E12	101283	RT	Vapor deposition process/CT

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Related terms might point to viable alternatives to enhance recall

```

=> E COATING PROCESS+ALL/CT
E1      1834   BT3  Materials processing/CT
E2      0      BT2  Ceramic processing (non-CA heading)/CT
E3      1834   BT3  Materials processing/CT
E4      0      BT2  Processing of construction materials (non-
                    CA heading)/CT
E5      1834   BT3  Materials processing/CT
E6      48875  BT3  Surface/CT
E7      14570  BT2  Surface treatment/CT
E8      0      BT1  Deposition process (non-CA heading)/CT
E9      148960 --> Coating process/CT
                    HNTE Valid heading during volume 66
                    (1967) to present.
E10     1      OLD  Surfacing/CT
E11     161    OLD  Varnishing/CT
E12     UF     UF   Coating/CT
E13     UF     UF   Decorative coating/CT
E14     UF     UF   Deposition/CT
E15     UF     UF   Film deposition/CT
    . . .

```

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Use terms identified in thesauri to enhance a Basic Index search

```

=> S (VAPOR DEPOSITION? OR EVAPN. COATING? OR FILM DEPOSITION? OR
VAPOR PHASE# DEPOSITION? OR CVD)
L10     215545 (VAPOR DEPOSITION? OR EVAPN. COATING? OR FILM
                    DEPOSITION? OR VAPOR PHASE# DEPOSITION? OR CVD)

=> S VAPOR DEPOSITION PROCESS+OLD,NT/CT
L11     203860 VAPOR DEPOSITION PROCESS+OLD,NT/CT (8 TERMS)

=> S VAPOR DEPOSITION APPARATUS+OLD/CT
L12     13007 VAPOR DEPOSITION APPARATUS+OLD/CT (3 TERMS)

=> S COATING PROCESS/CT
L13     148960 COATING PROCESS/CT

=> S L9(L)L10; S L9 AND (L11 OR L12 OR L13)
L14     1019 L9 (L) L10
L15     857 L9 AND (L11 OR L12 OR L13)

=> S L14 OR L15
L16     1178 L14 OR L15

```

Combine nanotube and CVD terms with linking and/or Boolean logic.

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Use ANALYZE when you require a statistical evaluation of terms

- The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set
- Extract terms and provide a statistical analysis
- Tiered pricing based on # of terms
- Limited to 50K terms and/or 50K answers
- Review the Database Summary Sheet for more details on field availability – SELECT, ANALYZE, and SORT fields



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Use ANALYZE when you require a statistical evaluation of terms

```
=> ANA L16 CT IPC ECLA PA
L17      ANALYZE L16 1- CT IPC ECLA PA :      1540 TERMS
```

```
=> D CT
L17      ANALYZE L16 1- CT IPC ECLA PA :
```

TERM #	# OCC	# DOC	% DOC	CT IPC ECLA PA
1	1049	1028	87.27	NANOTUBES
2	803	772	65.53	VAPOR DEPOSITION PROCESS
5	182	182	15.45	CATALYSTS
8	105	105	8.91	RAMAN SPECTRA
9	84	74	6.28	COATING PROCESS
10	83	83	7.05	NANOPARTICLES
11	79	79	6.71	ELECTRIC CURRENT RELATIONSHIP
12	69	69	5.86	MICROSTRUCTURE
13	60	60	5.09	FIELD EFFECT TRANSISTORS
14	54	54	4.58	SURFACE STRUCTURE

NOTE: You can display ANA L#s in any database, including STNGUIDESM.

NOTE: There is typically no charge to SELECT terms from an ANA L#.



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Use ANALYZE when you require a statistical evaluation of terms

=> D IPC TOP5;D PA TOP5

L17 ANALYZE L16 1- CT IPC ECLA PA : 1540 TERMS

TERM #	# OCC	# DOC	% DOC	CT IPC ECLA PA
3	211	72	6.11	C01B0031-00
4	211	69	5.86	C01B0031-02
6	157	39	3.31	D01F0009-12
7	106	28	2.38	B82B0003-00
17	49	13	1.10	C23C0016-26

NOTE: Consider using extracted terms to enhance recall.

TERM #	# OCC	# DOC	% DOC	CT IPC ECLA PA
150	9	9	0.76	USA
264	5	5	0.42	HONDA MOTOR CO LTD JAPAN
267	5	5	0.42	NANTERO INC USA
340	4	4	0.34	NATIONAL INSTITUTE OF ADVANCED...
344	4	4	0.34	PRESIDENT AND FELLOWS OF HARVARD...
352	4	4	0.34	THE REGENTS OF THE UNIVERSITY OF...

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The reloaded DWPI brings enhanced content to STN AnaVist, Version 2.0

- Enhanced patent titles and abstracts
 - Reduction in time required to assess results
 - High relevance for concept clustering
- Intellectually compiled patent families
 - Precise analysis by “invention” count
 - Reduced duplication (equivalents) in results
- Thomson classification and indexing
 - Flexible and precise subject segmentation
 - Simple exclusion/inclusion of technologies

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Extend existing search into DWPI and determine additional terms

```

=> FIL WPINDEX
=> SET SFIELDS BI CLM
SET COMMAND COMPLETED

=> S L9 AND L10
L18          80 L9 AND L10

=> TRA L16 PN 1-
L19          TRANSFER L16 1- PN :      288 TERMS
L20          115 L19
L21          QUE  TERMS FROM L19 WITH NO HITS:   32
              TERMS

=> S L20 NOT L18
L22          85 L20 NOT L18
    
```

To include DWPI claim text in your search, use the SET SFIELDS BI CLM command.

Leverage records from CAPlus to determine appropriate search terms in value-added text fields.

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Reminder: the DWPI default Basic Index (/BI) is formed from value-added text fields

Basic Index
(/BI)

AN	1999-265576
PI	EP913216 A1 CA2251524 A1 CN1219449 A ...
MEMBER 1	EP913216 A1
MEMBER 2	CA2251524 A1
MEMBER 3	CN1219449 A

invention part
value-added text
Title, Abstract

Basic Index
Extended
(/BIEX)

members part
original text
Title, Abstract,
Main Claim (/CLM)

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Additional DWPI supporting materials available from FIZ-K

- Exploring DWPI in STN AnaVist, Version 2.0
- DWPI in STNGuide
- Derwent World Patents Index - Reloaded & Enhanced
- Summary of the DWPI Reload Enhancements
- DWPI in STN Workshop Manual

http://www.stn-international.de/training_center/mat_sea_stn.html



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Extend search to USPATFULL and PCTFULL, and combine

```
=> FIL USPATFULL PCTFULL
=> S (L6/TI,AB,CLM OR L7/TI,AB,CLM) AND L10/TI,AB,CLM
L23      124 FILE USPATFULL
L24      79 FILE PCTFULL

TOTAL FOR ALL FILES
L25      203 (L6/TI,AB,CLM OR L7/TI,AB,CLM) AND
          L10/TI,AB,CLM
```

Consider limiting to title, abstract and/or claims to control retrieval. Alternatively modify query to suit a full-text search.



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Compare techniques to remove records from multifile searches

	Pros	Cons
DUPLICATE IDE / REM	Quick	Does not eliminate family records
TRAnser PN / AP	Efficient, leverage other databases	Does not eliminate all family records
FSORT	Closest to single record per invention	Regrouping answers more cumbersome

Resulting number of records (typical):
 DUP REM > TRANSFER > FSORT



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Use DUP IDE to merge answer sets

```

=> DUP IDE L16 L18 L25
L26      1461 DUP IDE L16 L18 L25 (INCLUDES 81 SETS OF
        DUPLICATES)
        ANSWERS '1-1178' FROM FILE CAPLUS
        ANSWERS '1179-1258' FROM FILE WPINDEX
        ANSWERS '1259-1382' FROM FILE USPATFULL
        ANSWERS '1383-1461' FROM FILE PCTFULL

=> DUP REM L26
PROCESSING COMPLETED FOR L26
L27      1363 DUP REM L26 (98 DUPLICATES REMOVED)
        ANSWERS '1-1177' FROM FILE CAPLUS
        ANSWERS '1178-1231' FROM FILE WPINDEX
        ANSWERS '1232-1314' FROM FILE USPATFULL
        ANSWERS '1315-1363' FROM FILE PCTFULL
  
```



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Use TRANSFER to eliminate patent records already retrieved elsewhere

```
=> D HIS L18-L22
FILE 'WPINDEX' ENTERED AT 00:41:04 ON 25 FEB 2008
SET SFIE BI CLM
L18          80 S L9 AND L10

FILE 'CAPLUS' ENTERED AT 00:56:08 ON 25 FEB 2008
L19          TRA L16 1- PN :      288 TERMS

FILE 'WPINDEX' ENTERED AT 00:56:37 ON 25 FEB 2008
L20          115 SEA L19
L21          QUE TERMS FROM L19 WITH NO HITS:      32 TERMS
L22          85 S L20 NOT L18

=> S L18 NOT L20
L28          50 L18 NOT L20
```

Records in L28 would be considered unique based on PN.

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FSORT groups patent records according to patent families

```
=> FSORT L26
L29          1461 FSO L26

      82 Multi-record Families      Answers 1-245
        Family 1                    Answers 1-2
        Family 2                    Answers 3-4
          . . .
        Family 81                   Answers 232-233
        Family 82                   Answers 234-245
      146 Individual Records        Answers 246-391
      1070 Non-patent Records       Answers 392-1461
```

FSORT identifies 82 multi-record patent families across 245 records, and 146 individual patent records considered unique families, and 1070 non-patent records.

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Use SORT to 'extract' first members of each family

```
=> SORT PY L29 1, 3, 5, 7, 10, 12, 17, ...
=> SORT PY L29 89, 91, 93, 96, 100, 102, ...
=> SORT PY L29 158, 160, 162, 164, 166, ...
=> SORT PY L29 224, 226, 228, 232, 234
=> SORT PY L29 246-1461

=> DUP IDE L30-L34
L35          1298 DUP IDE L30-L34 (INCLUDES 1 SET OF
              DUPLICATES)
              ANSWERS '1-1175' FROM FILE CAPLUS
              ANSWERS '1176-1223' FROM FILE WPINDEX
              ANSWERS '1224-1265' FROM FILE USPATFULL
              ANSWERS '1266-1298' FROM FILE PCTFULL
```

Resulting answers set contains 228 unique inventions,
eliminating 163 patent records.

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Save answers for STN AnaVist via the Select Discover! Wizard

The screenshot shows the STN Online and Results interface. The main window displays a search session with the following text:

```
STN Columbus
FILE 'HOME' ENTERED AT 02:10:17 ON 25 FEB 2008
=> fil capl wpindex uspatfull pctfull
QUANTITY @ RA
HOME FILE COST=
CONNECT HOURS 0.01 @ 15
INTERNET HOURS 0.01 @ 6
SUMMARY FOR HOME FILE 0.01
INCLUDING TELECOMMUNICATION FEES 0.01
YOUR TOTAL SESSION COSTS ARE 0.01
```

The Select Discover! Wizard dialog box is open, showing a search history table with one entry: 1,44 1298 act fullana2/a. The wizard includes a 'Hide' button and a 'Search Results' section with the following options:

Analyze Plus	Analyze
Display	Go to L-number
Save	Save R-group data
Save for SciFinder	
Save for STN AnaVist	
CAS RN & Role Report	
Create L# from STN AnaVist	
Display from STN AnaVist	
Evaluate with STN Viewer	

The 'Save for STN AnaVist' option is highlighted with a red box. The status bar at the bottom shows 'Multiple INS Hold On Print Off Online 00:06:42'.

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Save answers for STN AnaVist via the Select Discover! Wizard

The screenshot displays the STN Online and Results interface. A 'Select Discover! Wizard' dialog box is open, titled 'Save for STN AnaVist(TM) Wizard'. The dialog contains the following text: 'To save answers, enter a file name, then click Save. Click Cancel to return to STN.' There are two radio button options: 'Save for STN AnaVist 1.0 through 1.1' (unselected) and 'Save for STN AnaVist 2.0+' (selected). The 'File name' field contains 'swcnt' and the 'Save to' field contains 'C:\Documents and Settings\mjm84\Desktop'. There is a 'Browse...' button next to the file name field. Below the save options, there is a 'User annotation (optional):' text box and a checkbox for 'Send as an Email attachment'. At the bottom of the dialog are '< Back', 'Save', and 'Cancel' buttons. The background window shows search results for 'NEWS' and a summary of costs: 'YOUR TOTAL SESSION COSTS ARE 0.01'. The STN logo is in the bottom left, the COS logo is in the bottom center, and the number 39 is in the bottom right.

Before you logoff from STN, SAVE your answers

- Importing an answer set from STN does not retain your search query
- Original query useful to retrieve answer set, modify query, or update search with new answers
- Use **SAVE/ACTIVATE** to retrieve your query at a later date
- Consider **SAVE TITLE** option to give more meaning to your query

Consider **SAVE [QUERY]/A TITLE TEMP** to save answers for short-term storage with descriptive title.

SAVE works permanently or temporarily

```
=> SAVE L35 TEMP TITLE
ENTER NAME OR (END):SWNTPROJECT/A
ENTER TITLE (NONE):SWNT DWNT STN ANAVIST PROJECT
ANSWER SET L35 HAS BEEN SAVED AS 'SWNTPROJECT/A'
-----[TODAY]
[NEXT WEEK]
=> ACT SWNTPROJECT/A
TITLE: SWNT DWNT STN ANAVIST PROJECT
L44          1298 DUP IDE L42 L43...
```

Save your query as an answer set (/A) to maximize later retrieval. Eliminate the TEMP option for permanent storage.



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Existing visualization projects can always be reduced in size

- Recall that subset visualizations allow unwanted records to be removed from STN AnaVist projects
- Adding records to a project requires a new visualization and processing within STN
- Utilize both data and text mining tools to sharpen project scope

For additional examples on creating superior document sets for STN AnaVist, visit the e-seminar:

STN®: Creating Superior Document Sets for STN® AnaVist™

<http://casevents.webex.com>



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Login to STN AnaVist, Import STN results and Visualize

1. Click "Import" to bring STN results into the STN AnaVist environment.

2. Review documents title prior to visualization (optional).

3. Apply Cost Center (optional) and/or set STN AnaVist preferences under Tools menu.

4. Visualize.

STN AnaVist has no connect time, connection costs, or subscription/annual fees.

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Choose custom primary and backup clustering fields

Select an option for clustering:

Clustering fields Based on databases used	Backup fields Used only if all clustering fields are missing
<input checked="" type="radio"/> Title/Abstract	Exemplary/First Claim
<input type="radio"/> Exemplary/First Claim	Title/Abstract
<input type="radio"/> All Claims	Title/Abstract
<input type="radio"/> IPC Codes	

Custom... Start Cancel

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STN AnaVist, Version 2.0 allows modification of clustering fields for text mining

- Following initiating a visualization, STN AnaVist 2.0 allows selection of the clustering fields to be used for the Research Landscape
- Use of Title/Abstract is the default group of fields to generate Clustering Concepts
- Individual or groups of other fields are available
- Backup fields are used only if clustering fields are unavailable in a record

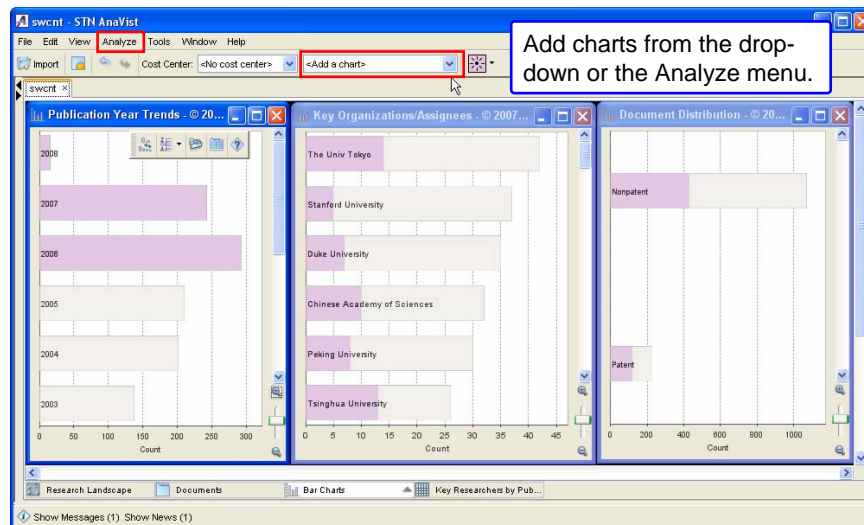
Standard	Custom	Backup Fields
Title/Abstract	Title/Abstract	Exemplary/First Claim
IPC Codes	Exemplary/First Claim	<i>All Claims</i>
	<i>Technology Indicators</i>	<i>Technology Indicators</i>
	IPC Codes	

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Review your visualization using bar and matrix chart combinations

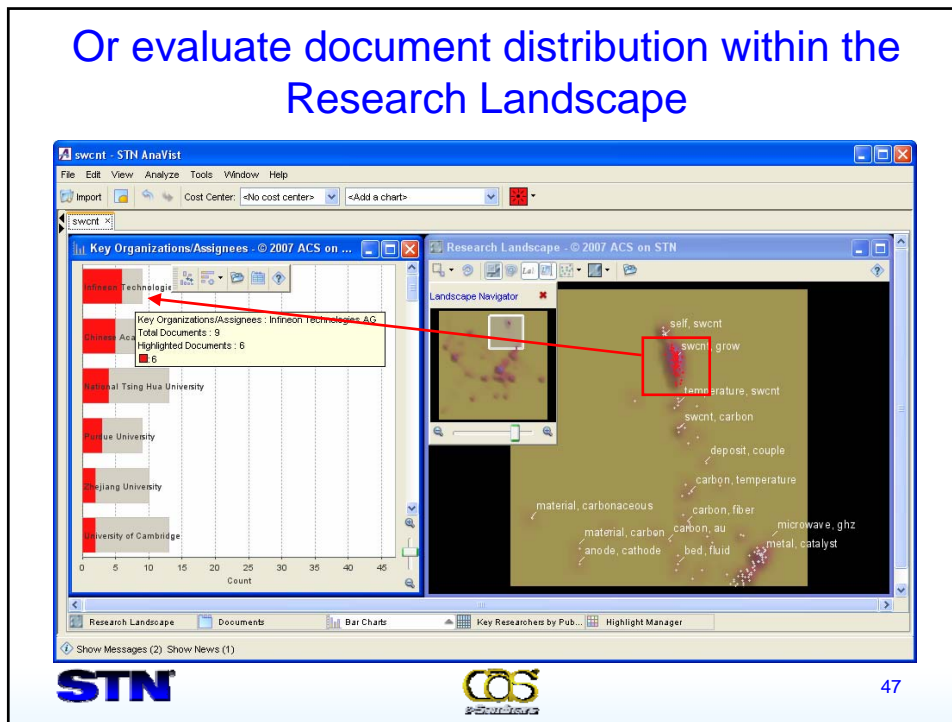


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Or evaluate document distribution within the Research Landscape



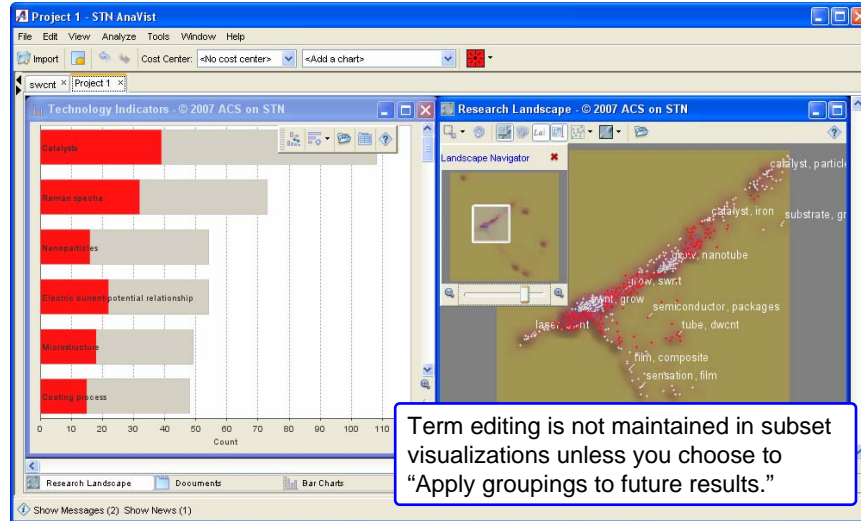
Use subset visualization to extend the value of your visualization project

- To create a subset visualization, select a portion (or all) of the overall data and click the Subset Visualization button



- A subset visualization is created from the active highlighting set
- Subset visualizations do not retain term groupings/exclusions, highlighting, and labels from the project
- A subset visualization can use a different concept frequency than the project from which it was derived
- There is no charge to create a subset visualization

Use Subset visualizations to make large projects smaller and independent



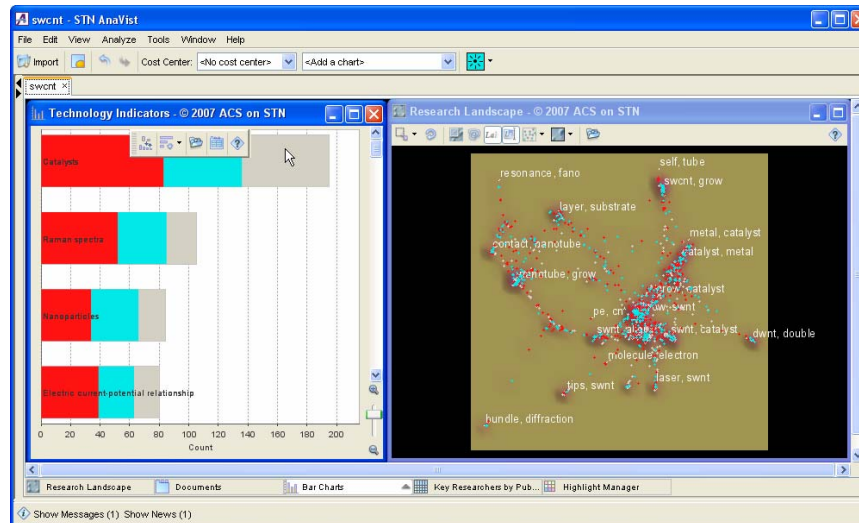
Term editing is not maintained in subset visualizations unless you choose to "Apply groupings to future results."

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Use Highlighting and Labels features to isolate documents of interest



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Use the Documents Manager to save records for display within STN Express

Documents Manager window showing a list of documents:

Title	Label
1 Redox: potential mediated, heterogeneous, carbon nanotube biosensing. CAPLUS	
2 Linear carbon nanotube composite field emission source, fabrication of field emission source thereof, and special equipment. CAPLUS	
3 Method for fabricating single-walled carbon nanotubes and electronic device under normal pressure. CAPLUS	
4 Methods for manufacturing carbon nanotube films, layers, fabrics, ribbons, elements and articles. CAPLUS	
5 Method for assembling nano objects. CAPLUS	
6 Production of purified single-wall carbon nanotubes from crude CVD-prepared nanotubes by reflux in acid solution, chemical oxidation and separation. CAPLUS	

Choose to Save in the "eXpress to AnaVist" format – .xta.

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Choose to Create L# or direct display from within STN Express, Version 8.3

Select Discover! Wizard dialog box options:

- Analyze Plus
- Analyze
- Display
- Go to L-number
- Save
- Save R-group data
- Save for SciFinder
- Save for STN AnaVist
- CAS RN & Role Report
- Create L# from STN AnaVist
- Display from STN AnaVist
- Evaluate with STN Viewer

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Create multiple L# from saved answers using the STN Express wizards

The screenshot shows the STN Online and Results interface with a 'Select Discover! Wizard' dialog box open. A sub-dialog titled 'Create L# from STN AnaVist(TM)' is displayed, providing the following information:

- To create an L# from the selected file, click Create.
- Created By: ssscasim84
- Create Date: 25 Feb 2008 at 02:56
- User Annotation:
- Description: Export from AnaVist
- Database(s) and answer counts:
 - CAPLUS (6)
 - USPATFULL (1)

The background window shows a search history table with the following entries:

L#	Count	Description
L2	6	CAPLUS set of oxidati
L4	1	USPATFULL set of oxid.
L5	7	Total set of oxidation

At the bottom of the wizard dialog, there are buttons for '< Back', 'Create', and 'Cancel'. The 'Create' button is highlighted by the mouse cursor.

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Further text refinement, saving, or displaying of records is possible

The screenshot shows the STN Online and Results interface with a 'Select Discover! Wizard' dialog box open. The dialog displays a search history table with the following entries:

L#	Count	Description
L2	6	CAPLUS set of oxidati
L4	1	USPATFULL set of oxid.
L5	7	Total set of oxidation

The dialog also features a 'Search Results' section with the following buttons:

- Analyze Plus
- Analyze
- Display
- Go to L-number
- Save
- Save R-group data
- Save for SciFinder
- Save for STN AnaVist
- CAS RN & Role Report
- Create L# from STN AnaVist
- Display from STN AnaVist
- Evaluate with STN Viewer

The background window shows a transcript with the following text:

```

=> Creating L# from STN AnaVist
L2 6 CAPLUS set of oxidation references.xta
L4 1 USPATFULL set of oxidation references.xta
L5 7 Total set of oxidation references.xta
    
```

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Summary

- Feature overview of STN AnaVist, Version 2.0
- Building superior answer sets for analysis and visualization
- Creation of custom visualizations with optional data fields for clustering
- Use of subset visualization to eliminate irrelevant documents



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Resources

- STN e-Seminar Archive
 - STN®: Creating Superior Document Sets for STN® AnaVist™
 - STN®: Searching for Patent Families
 - STN®: Multifile Patent Searching

<http://casevents.webex.com>
- STN AnaVist Support and Training

<http://cas.org/support/stna/index.html>
- STN Virtual Workshops
 - Live training via WebEx
 - Users can practice STN searches using CAS login ID in a virtual setting



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Questions and answers...

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March 13, 2008 6:00- 7:00 PST	STN: Creating Superior Document Sets for STN® AnaVist™, Version 2.0
March 25, 2008 10:00- 11:00 PST	STN: Structure Drawing in STN®
April 2008	
April 10, 2008 6:00- 7:00 PST	STN: Structure Drawing in STN®
April 29, 2008 10:00- 11:00 PST	STN: Multifile Searching for Scientific Information
May 2008	
May 8, 2008 6:00- 7:00 PST	STN: Multifile Searching for Scientific Information
May 27, 2008 10:00- 11:00 PST	STN: Searching Formulations on STN®

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