

The logo for SciFinder Scholar 2002 is centered on a vertical rectangular background with a purple-to-pink gradient and a diagonal light streak. The text "SciFinder" is in a large, blue, serif font with a registered trademark symbol. Below it, "SCHOLAR" is in a smaller, blue, sans-serif font, and "2002" is in a large, blue, sans-serif font. Two thin horizontal lines separate the three text elements.

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SCHOLAR
2002



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Get Related –Schatzsuche in
SciFinder Scholar



Schatzsuche in Dokumenten

- Get related zitierende Schriften (ab 1999 *)
 - Get related zitierte Schriften (ab 1907)
 - Get related Substances !  NEU in 2002
 - Get related Reactions !  NEU in 2002
- * Wird erweitert

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„Get related“ zitierende Schriften



KUNGL.
VETENSKAPSAKADEMIEN
THE ROYAL SWEDISH ACADEMY OF SCIENCES

Pressemitteilung: Der Nobelpreis

9 Oktober 2002

Die Königlich Schwedische Akademie beschloss, den Nobelpreis des Jahr

„für die Entwicklung von Methoden zur Strukturanalyse von biologischen Mak

zur einen Hälfte an

John B. Fenn

Virginia Commonwealth University, R

und

Koichi Tanaka

Shimadzu Corp., Kyoto, Japan

„für ihre Entwicklung von weichen Des: Methoden zur massenspektrometrisch biologischen Makromolekülen“

und zur anderen Hälfte des Preises an

Kurt Wüthrich

Eidgenössische Technische Hochschul und The Scripps Research Institute, L

„für seine Entwicklung der kernmagne Resonanzspektroskopie zur Bestimmung dreidimensionalen Struktur von biolog in Lösung“.

Massenspektrometrie ist eine sehr wichtige Analysenmethode – sie wird im allgemeinen in jedem Chemielaboratorium angewendet. Früher konnten nur kleinere Moleküle identifiziert werden, aber **John B. Fenn** und **Koichi Tanaka** haben Methoden entwickelt, die auch die Analyse biologischer Makromoleküle ermöglichen.

John B. Fenn veröffentlichte 1988 die sogenannte *ESI* (*electrospray ionisation*) Methode. Mit ihr werden zuerst kleine, geladene Tropfen einer Proteinlösung produziert, welche dann wegen des verdunstenden Wasseranteils zusammenschrumpfen. Langsam bleiben frei schwebende Proteinionen übrig, deren Massen man zum Beispiel dadurch ausrechnen kann, dass man sie beschleunigt und die Flugzeit über eine bekannte Strecke misst. Gleichzeitig führte Koichi Tanaka eine andere Technik ein, um Proteine frei schweben zu lassen, nämlich mittels *weicher Laserdesorption (soft laser desorption)*. Ein Laserpuls muss die Probe treffen, die in kleine Teile „gesprengt“ wird und somit die Moleküle freigibt.

Der zweite Teil des Preises zeichnet die Weiterentwicklung einer anderen Lieblingsmethode unter Chemikern, nämlich der *kernmagnetischen Resonanz, NMR*, aus. Mit NMR erhält man Information über die dreidimensionale Struktur und die Beweglichkeit des Moleküls. Durch seine Arbeit zu Beginn der 1980er Jahre hat **Kurt Wüthrich** die Anwendung von NMR auf Proteine ermöglicht. Er entwickelte zum einen eine generelle Methode zur systematischen Bestimmung gewisser Fixpunkte im Proteinmolekül, zum anderen ein Prinzip, um mittels der Abstände die dreidimensionale Struktur auszurechnen. Der Vorteil der NMR ist, dass man die Proteine in Lösung, also in einer den Verhältnissen in den Zellen gleichenden Umgebung studieren kann.

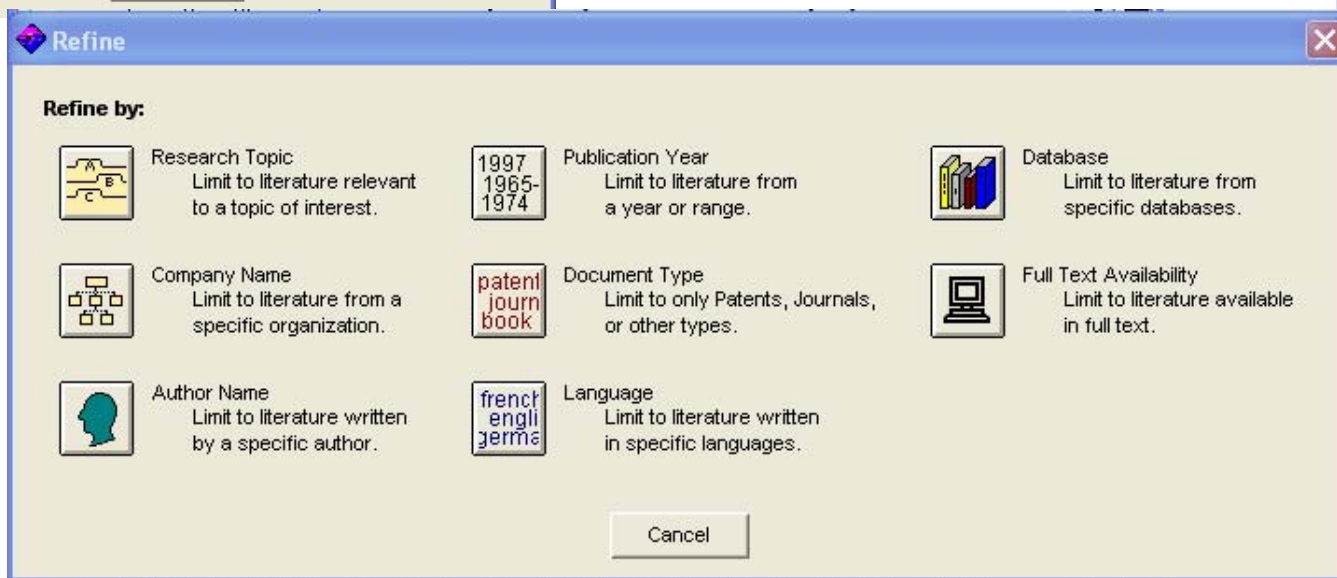
„Get related“ zitierende Schriften

The image shows a screenshot of the SciFinder Scholar software interface. The main window displays search results for the author 'Fenn, John B.'. The results list several articles, including 'Gas phase hydration of electrospray ions from small peptides', 'Mass spectrometric implications of high-pressure ion sources', 'Electrochemical processes in electrospray ionization mass spectrometry', 'Improved method and apparatus for electrospray ionization', and 'A continuum model for ion evaporation from a drop: effect of curvature and charge on ion solvation energy'. A 'Get Related...' button is visible at the bottom of the main window.

On the left, a smaller window titled 'Explore by Author Name' is open, showing the search criteria: Last name (required) 'Fenn', First name 'J', Middle name 'B', and 'Look for' checked. Below the search criteria is a list of 'Author Candidates' including 'FENN J B', 'FENN J B JR', 'FENN JOHN B', 'FENN JOHN B JR', 'FENN JOHN BENNE', 'FENN JOHN BENNE', 'FENN JUERGEN', 'FENN JULIA', 'FIN JACOB', 'FINN J', 'FINN J B', 'FINN JACK', and 'FINN JANE'. A 'Get Related' button is also present at the bottom of this window.

At the bottom left of the slide, the date '3/18/2005' is displayed.

„Get related“ zitierende Schriften



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„Get related“ zitierende Schriften

The image shows a screenshot of the SciFinder Scholar software interface. A dialog box titled "Refine by Publication Year" is open in the foreground, allowing the user to specify the year(s) of interest. The input field contains "1988-1989". Below the input field, there are examples of search criteria: "2001" (a single year), "1907-1963" (a range of years, inclusive), "1992-" (beginning with a given year), and "-1992" (up to and including a given year). The dialog box has "OK" and "Back" buttons.

The SciFinder Scholar window in the background displays a list of search results. The window title is "SciFinder Scholar" and it has a menu bar with "File", "Edit", "View", "Task", "Tools", and "Help". The toolbar includes icons for "NewTask", "Back", "Forward", "Print", "Save As", "Full Text", "Prefs", "Database", "History", "Internet", "Help", and "Exit".

The search results list includes the following entries:

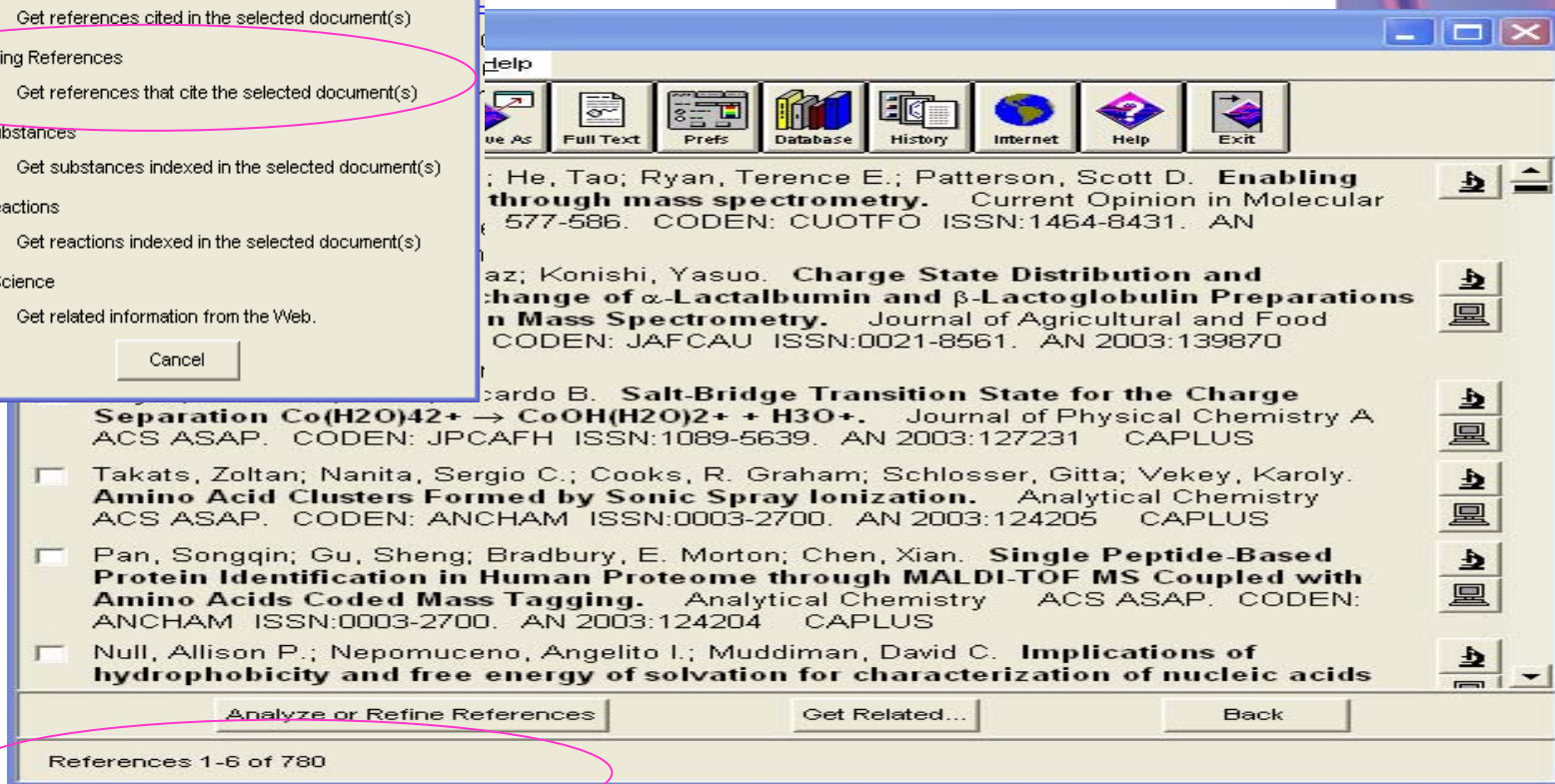
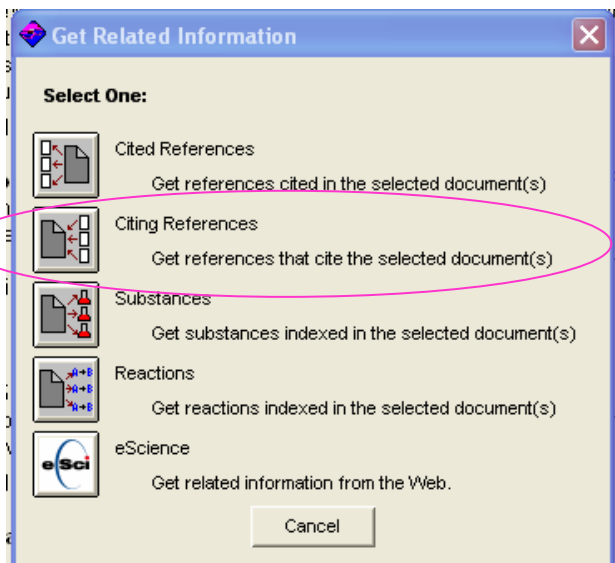
- Fenn, John B.**; Mann, Matthias; Meng, Chin Kai; Wong, Shek Fu; Whitehouse, Craig M. **Electrospray ionization for mass spectrometry of large biomolecules.** Science (Washington, DC, United States) (1989), 246(4926), 64-71. CODEN: SCIEAS ISSN:0036-8075. CAN 111:211212 AN 1989:611212 CAPLUS
- Mann, Matthias; Meng, Chin Kai; **Fenn, John B.** **Interpreting mass spectra of multiply charged ions.** Analytical Chemistry (1989), 61(15), 1702-8. CODEN: ANCHAM ISSN:0003-2700. CAN 111:47593 AN 1989:447593 CAPLUS
- Meng, C. K.; Mann, M.; **Fenn, J. B.** **Of protons or proteins.** Zeitschrift fuer Physik D: Atoms, Molecules and Clusters (1988), 10(2-3), 361-8. CODEN: ZDACE2 ISSN:0178-7683. CAN 110:72041 AN 1989:72041 CAPLUS
- Groeger, Wolfgang; **Fenn, John B.** **Internal energy distribution of carbon oxide sulfide desorbing from a hot platinum surface.** Journal of Physical Chemistry (1989), 93(1), 344-9. CODEN: JPCHAX ISSN:0022-3654. CAN 110:45168 AN 1989:45168 CAPLUS
- Wong, S. F.; Meng, C. K.; **Fenn, J. B.** **Multiple charging in electrospray ionization of poly(ethylene glycols).** Journal of Physical Chemistry (1988), 92(2), 546-50. CODEN: JPCHAX ISSN:0022-3654. CAN 108:56880 AN 1988:56880 CAPLUS
- Fenn J B**; Mann M; Meng C K; Wong S F; Whitehouse C M **Electrospray ionization for mass spectrometry of large biomolecules.** SCIENCE (1989 Oct 6), 246(4926), 64-71. Journal code: 0404511. ISSN:0036-8075. DN 89388286 PubMed ID 2675315 AN 89388286 MEDLINE

At the bottom of the SciFinder Scholar window, there are buttons for "Analyze or Refine References", "Get Related...", and "Back". The status bar at the bottom indicates "References 3-8 of 8".

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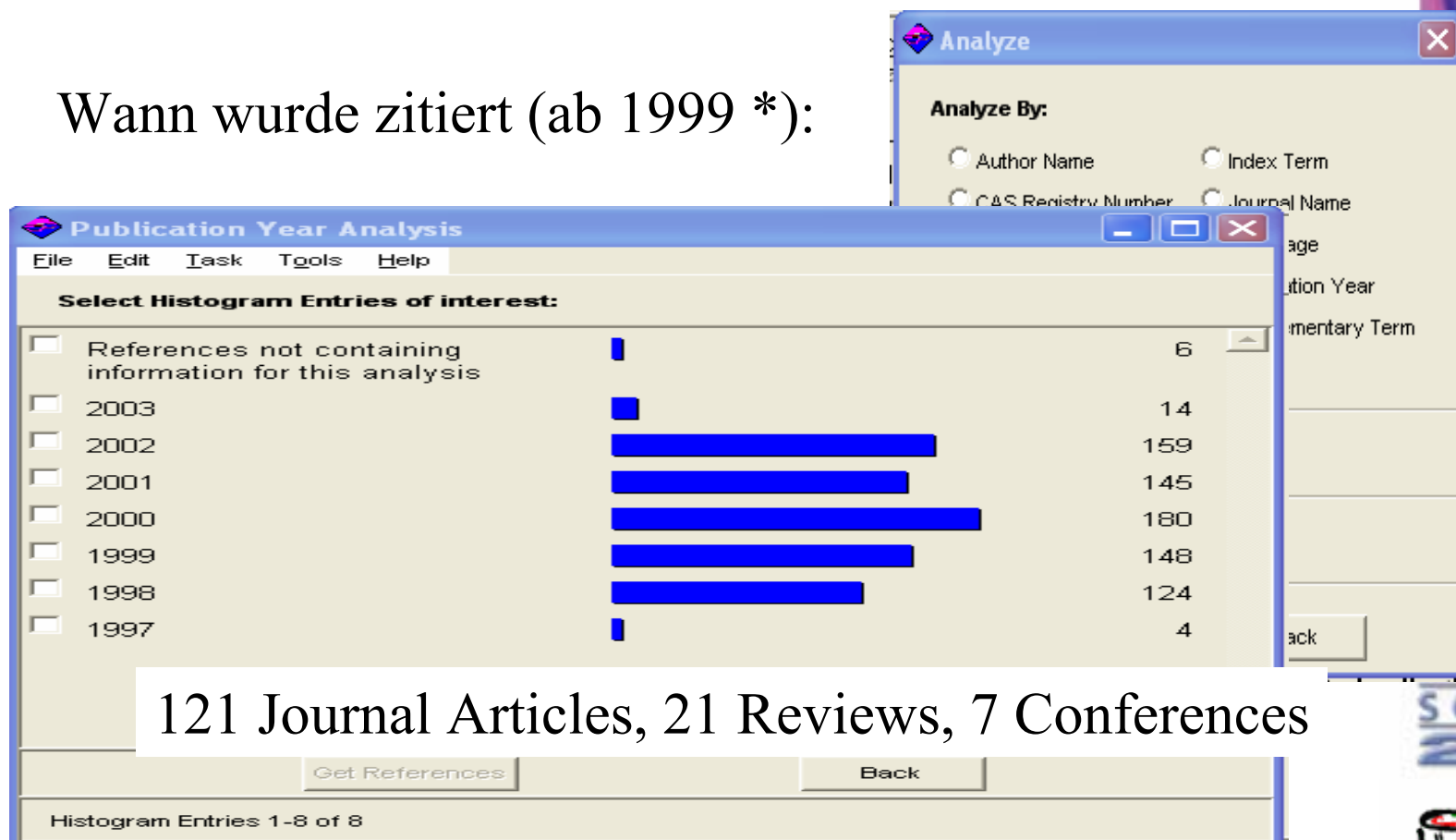
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„Get related“ zitierende Schriften



„Get related“ zitierende Schriften

Wann wurde zitiert (ab 1999 *):



* Wird erweitert

3/18/2003

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„Get related“ zitierende Schriften

Welche Bereiche der Chemie, hat die Technik beeinflusst:

Chemical Sub-field	Frequency
Biochemical Methods	10
General Biochemistry	10
Amino Acids, Peptides, and Proteins	9
Optical, Electron, and Mass Spectroscopy and Other Related Properties	8
Enzymes	8
Physical Organic Chemistry	8
Organic Analytical Chemistry	8
Pharmacology	8
Inorganic Chemicals and Reactions	8
Biochemical Genetics	8
Physical Properties of Synthetic High Polymers	8
Toxicology	8
Pharmaceutical Analysis	8
Carbohydrates	10
Food and Feed Chemistry	10
Organometallic and Organometalloidal Compounds	9
Immunochemistry	8

Analyze By:

- Author Name
- CAS Registry Number
- CA Section Title
- Company/Organization
- Database
- Document Type
- Index Term
- Journal Name
- Language
- Publication Year
- Supplementary Term

Analyze only selected documents
 Analyze all documents

Sort results alphabetically
 Sort results by frequency

finder
SCHOLAR
2002



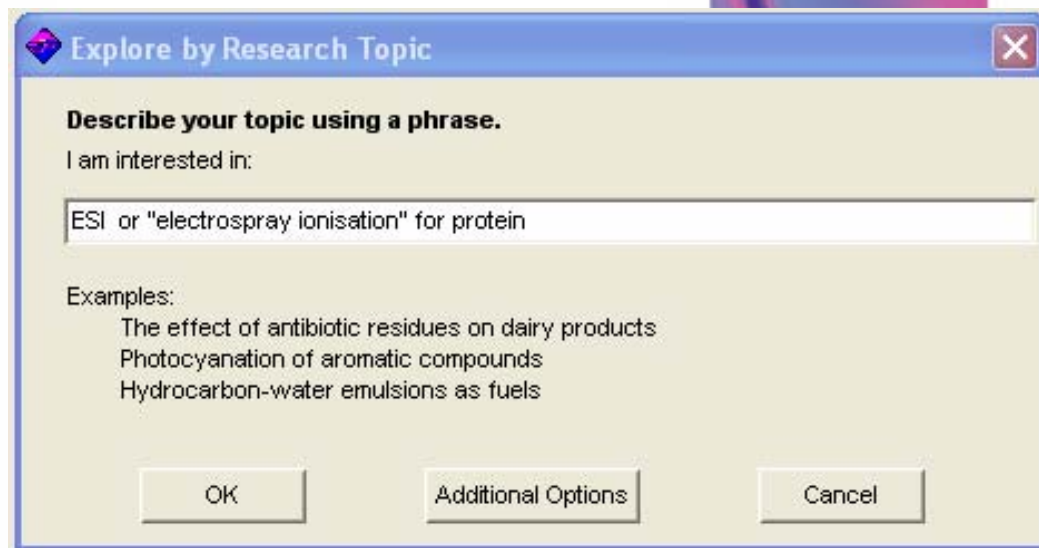
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„Get related“ zitierte Schriften (ab 1907)

Massenspektrometrie ist eine sehr wichtige Analysenmethode – sie wird im allgemeinen in jedem Chemielaboratorium angewendet. Früher konnten nur kleinere Moleküle identifiziert werden, aber **John B. Fenn** und **Koichi Tanaka** haben Methoden entwickelt, die auch die Analyse biologischer Makromoleküle ermöglichen.

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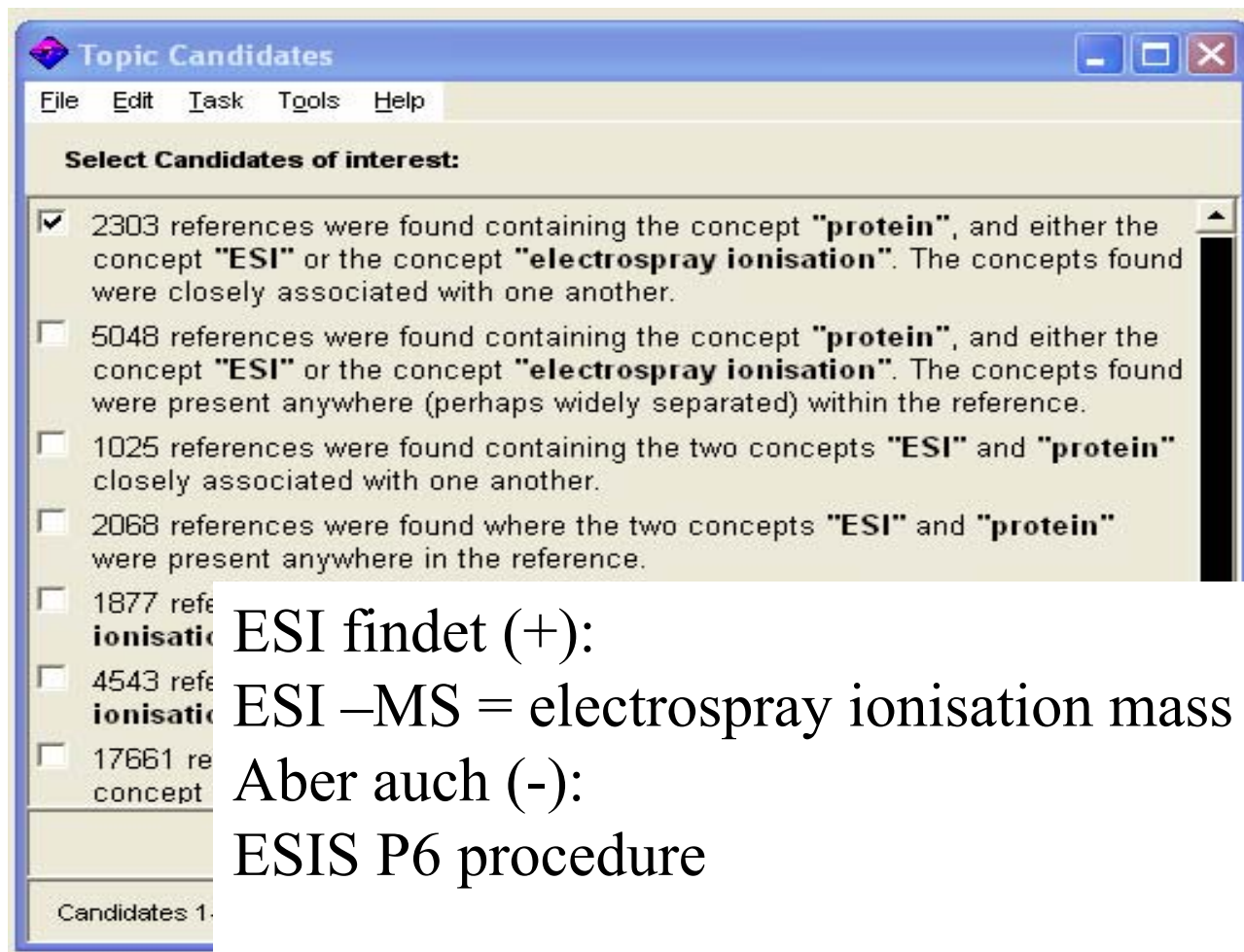
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ESI findet (+):

ESI –MS = electrospray ionisation mass spectrometry

Aber auch (-):

ESIS P6 procedure

=> Abkürzungen stets überprüfen!

„Get related“ zitierte Schriften (ab 1907)

Von den 2303 Schriften interessieren nur die Übersichtartikel

-> Analyse Documenttype -> Review

The image shows two overlapping windows from the SciFinder Scholar software. The left window, titled "Document Type Analysis", displays a list of document types with checkboxes and corresponding blue bars representing their frequency. The types are: Journal, Article, JOURNAL ARTICLE, General Review (checked and circled in pink), Conference, Meeting Abstract, REVIEW (checked and circled in green), Patent, REVIEW TUTORIAL (checked and circled in green), Dissertation, and REVIEW ACADEMIC. A "Get References" button is at the bottom, and the status bar shows "Histogram Entries 1-12 of 20".

The right window, titled "SciFinder Scholar", shows a list of search results. The first result is: Akashi, Satoko. **Development of two soft-ionization methods. The works of winners of the 2002 Nobel Prize in Chemistry, Mr. Koichi Tanaka and Prof. John B. Fenn.** Kagaku to Kogyo (Tokyo, Japan) (2002), 55(12), 1332-1335. CODEN: KAKTAF ISSN:0022-7684. CAN 138:52037 AN 2002:972894 CAPLUS. The second result is: Chan, Jayna; Huang, Zuyun; Merrifield, Maureen E.; Salgado, Maria T.; Stillman, Martin J. **Studies of metal binding reactions in metallotheins by spectroscopic, molecular biology, and molecular modeling techniques.** Coordination Chemistry Reviews (2002), 233-234 319-339. CODEN: CCHRAM ISSN:0010-8545. CAN 138:149068 AN 2002:857529 CAPLUS. The third result is: Careri, M.; Bianchi, F.; Corradini, C. **Recent advances in the application of mass spectrometry in food-related analysis.** Journal of Chromatography, A (2002), 970(1-2), 3-64. CODEN: JCRAEY ISSN:0021-9673. CAN 137:351652 AN 2002:759793 CAPLUS. The fourth result is: Bergquist, Jonas; Palmblad, Magnus; Wetterhall, Magnus; Hakansson, Per; Markides, Karin E. **Peptide mapping of proteins in human body fluids using electrospray ionization fourier transform ion cyclotron resonance mass spectrometry.** Mass Spectrometry Reviews (2002), 21(1), 2-15. CODEN: MSRVD3 ISSN:0277-7037. CAN 137:349644 AN 2002:710567 CAPLUS. The fifth result is: Shimizu, Akira; Nakanishi, Toyofumi; Kishikawa, Masahiko; Miyazaki, Ayako. **Detection and identification of protein variants and adducts in blood and tissues: an application of soft ionization mass spectrometry to clinical diagnosis.** Journal of Chromatography, B: Analytical Technologies in the Biomedical and Life Sciences (2002), ... The window includes a menu bar (File, Edit, View, Task, Tools, Help), a toolbar with icons for NewTask, Back, Forward, Print, Save As, Full Text, Prefs, Database, History, Internet, Help, and Exit, and a status bar at the bottom showing "References 1-5 of 185".

Caplus, Medline

3/18/2003

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12

„Get related“ zitierte Schriften (ab 1907)

Wer hat die in Reviews
viel zitierten Schriften
publiziert?

SciFinder Scholar

File Edit View Task Tools Help

NewTask Back Forward Print Save As Full Text Prefs Database History Internet Help Exit

Palmblad, Magnus; Tsybin, Youri O.; Ramstrom, Margareta; Bergquist, Jonas; Hakansson, Per. **Liquid chromatography and electron-capture dissociation in Fourier transform ion cyclotron resonance mass spectrometry.** Rapid Communications in Mass Spectrometry (2002), 16(10), ISSN:0951-4198. CAN 137:30148 AN 2002:389899 C

VerBerkmoes, Nathan C.; Strader, Michael B.; Smiley, F. Hurst, Gregory B.; Hettich, Robert L.; Stephenson, James. **for site-directed mutagenesis overexpression product dihydrofolate reductase.** Analytical Biochemistry (2002), 303(1), ISSN:0003-2697. CAN 137:75403 AN 2002:3

Yuan, Xianglin; Russell, Tara; Wood, George; Desiderio, David M. **human lumbar cerebrospinal fluid proteome.** Electrophoresis (2002), 23(11), 1185-1196. CODEN: ELCTDN ISSN:0173-0835. CAN 137:30148 AN 2002:389899 CAPLUS

VerBerkmoes, Nathan C.; Bundy, Jonathan L.; Hauser, Michael; Razumovskaya, Jane; Larimer, Frank; Hettich, Robert L. **Integrating "top-down" and "bottom-up" mass spectrometry for proteomic analysis of Shewanella oneidensis.** Journal of Proteome Research (2002), 1(3), 239-252. CODEN: JPROBS ISSN:1535-3892. CAN 137:75403 AN 2002:312274 CAPLUS

Nemeth-Cawley, Jennifer L.; Rouse, Jason C. **Identification of intact proteins via collision-induced dissociation.** Rapid Communications in Mass Spectrometry (2002), 16(10), ISSN:0951-4198. CAN 137:30148 AN 2002:389899 CAPLUS

Analyze or Refine References Get Related

References 1-5 of 4421

Author Name Analysis

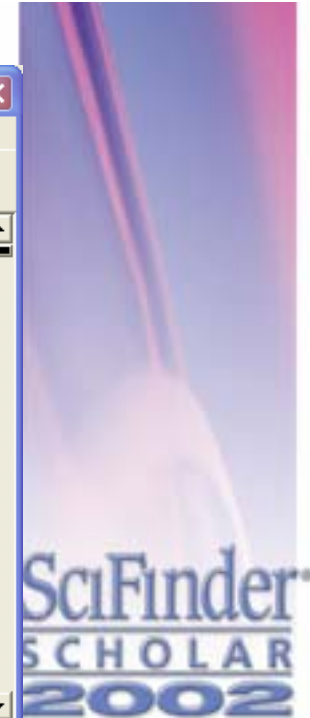
File Edit Task Tools Help

Select Histogram Entries of interest:

<input type="checkbox"/> Smith Richard D	85
<input type="checkbox"/> Smith R D	51
<input type="checkbox"/> Mclafferty Fred W	45
<input type="checkbox"/> Loo Joseph A	43
<input type="checkbox"/> Mann Matthias	41
<input type="checkbox"/> Mann M	38
<input type="checkbox"/> Mcluckey Scott A	38
<input type="checkbox"/> Burlingame A L	33
<input type="checkbox"/> Mclafferty F W	30
<input type="checkbox"/> Roepstorff P	29
<input type="checkbox"/> Yates John R Iii	29

Get References Back

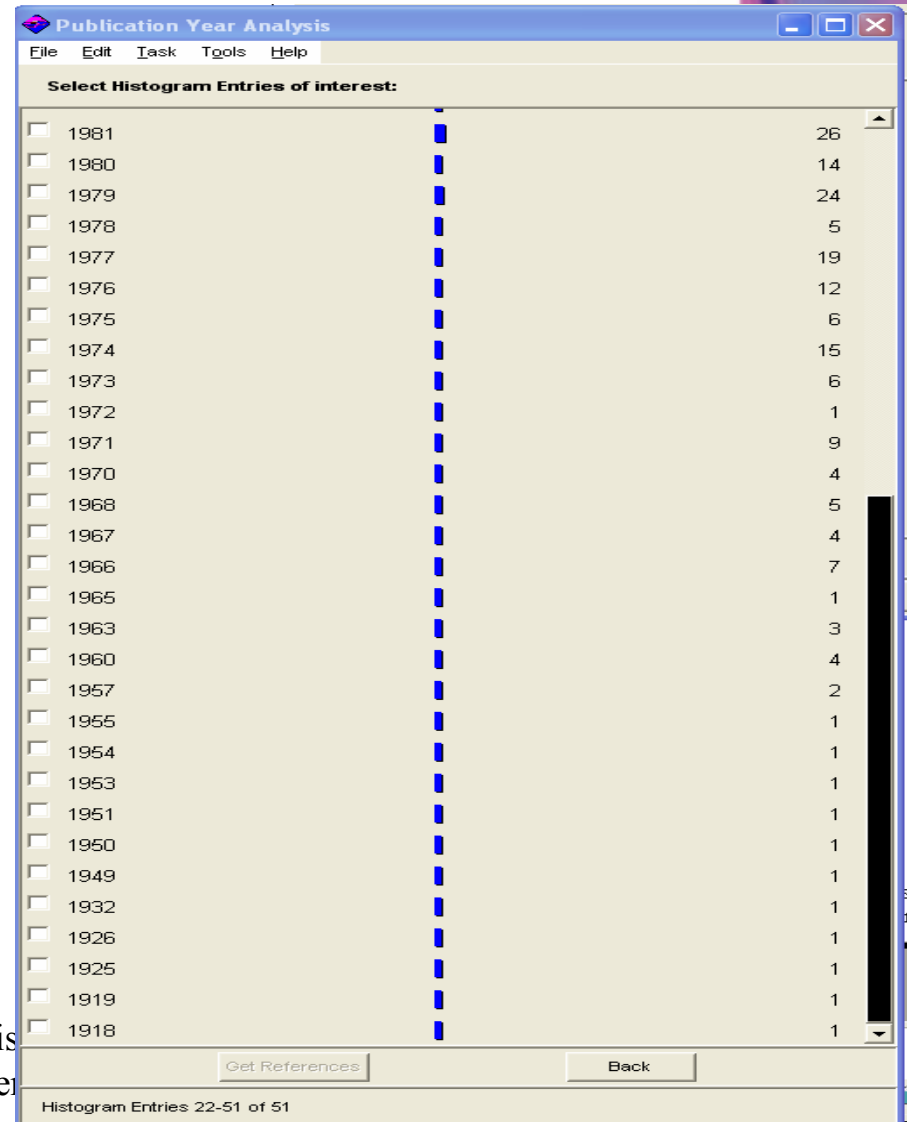
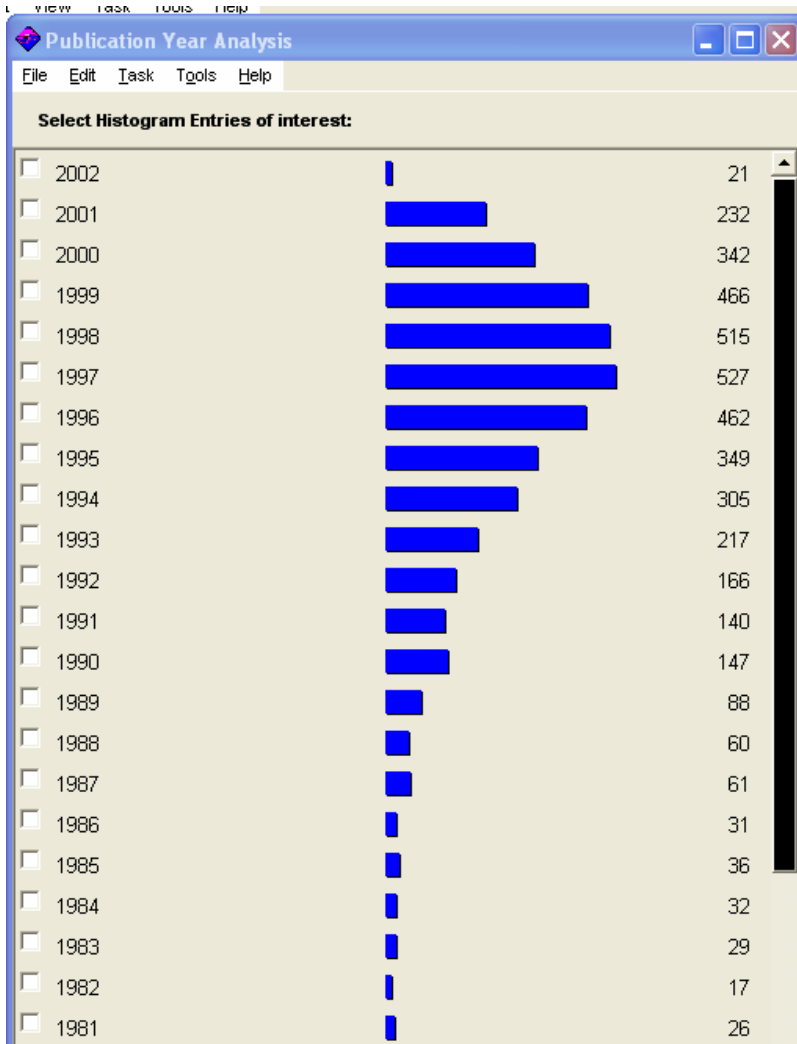
Histogram Entries 1-12 of 11307



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„Get related“ zitierte Schriften (ab 1907)

... Und wann ?



Analyse Publication Year

3/18/2003

SciFinder is
the Amer

“Get related” Substances

NEU in 2002

The screenshot shows the SciFinder Scholar web application interface. The main window displays the chemical structure of triphosgene (Bistrichlormethycarbonat, BTC) with the SMILES string Cl3C-O-C(=O)-O-CCl3 and the identifier 32315-10-9. Below the structure, it indicates "-682 References REGISTRY". A "Get References" dialog box is open, allowing the user to filter references for this substance. The dialog has two sections: "For this substance, retrieve:" and "For each sequence, retrieve:". In the first section, "References associated with:" is selected, and "Reactant or Reagent" is checked. In the second section, "Additional related references, e.g., activity studies, disease studies. For more detail, click [here](#)." is unchecked. The dialog has "OK" and "Back" buttons.

Einsatz von Triphosgen (Bistrichlormethycarbonat, BTC) als Phosgen - Ersatzstoff für meine Synthesen von Heterozyklen

This screenshot shows the bottom portion of the SciFinder Scholar interface. It includes navigation buttons for "Get References", "Analyze or Refine Substances", and "Back". Below these buttons, it says "Substance 1 of 1". At the very bottom, a Windows task bar is visible with various application icons and the system clock showing 19:23 on 3/18/2003.

3/18/2003

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- Li, Jia-He; Zhang, Jie; Jackson, Paul F.; Maclin, Keith M. **Preparation of benzpyranoisoquinolinones and related compounds as poly(ADP-ribose)polymerase (PARP) inhibitors.** U.S. (2003), 41 pp., Cont.-in-part of U.S. 6,306,889. CODEN: USXXAM US 6514983 B1 20030204 CAN 138:137290 AN 2003:92405 CAPLUS
- Cid, Pau. **A process for the preparation of perindopril, its analogs and salts using 2,5-dioxooxazolidine intermediate compounds.** Eur. Pat. Appl. (2003), 11 pp. CODEN: EPXXDW EP 1279665 A2 20030129 CAN 138:107004 AN 2003:77804 CAPLUS
- Ichihara, Junji; Taiji, Mutsuo; Nagata, Ryu; Maruta, Katsunori; Horigome, Kazuhiko; Kojima, Shinichi. **Myosin agonist.** PCT Int. Appl. (2003), 37 pp. CODEN: PIXXD2 WO 0307990 A1 20030130 CAN 138:117677 AN 2003:76649 CAPLUS
- Ohta, Toshiharu; Komoriya, Satoshi; Yoshino, Toshiharu; Ueda, Hideyuki; Haginoya, Noriyasu; Yoshikawa, Kenji; Nagamochi, Kenji. **Preparation of heterocyclic moiety-containing diamine derivatives as FXa inhibitors.** PCT Int. Appl. (2003), 508 pp. CODEN: PIXXD2 WO 0300659 A1 20030103 CAN 138:89801 AN 2003:5949 CAPLUS
- Niki, Toshio; Mizukoshi, Takashi; Takahashi, Hiroaki; Satow, Kazuo; Suzuki, Hiroyuki; Hayasaka, Fumio. **Preparation of heterocyclyliminophenyl compounds as agricultural and veterinary drugs.** PCT Int. Appl. (2003), 508 pp. CODEN: PIXXD2 WO 0300659 A1 20030103 CAN 138:73261 AN 2003:5930 CAPLUS
- Ohta, Toshiharu; Komoriya, Satoshi; Yoshino, Toshiharu; Ueda, Hideyuki; Haginoya, Noriyasu; Yoshikawa, Kenji; Nagamochi, Kenji. **Preparation of N,N'-bis(heterocyclic acyl)cycloalkanediamine and heterocyclodiamine derivatives.** PCT Int. Appl. (2003), 788 pp. CODEN: PIXXD2 WO 0300657 A1 20030103 CAN 138:89801 AN 2003:5949 CAPLUS
- Dayan, Lev; Shalom, Moshe. **Sensitive and selective method and device for the detection of trace amounts of a substance.** PCT Int. Appl. (2002), 55 pp. CODEN: PIXXD2 WO 0103340 A2 20021227 CAN 138:49099 AN 2002:978095 CAPLUS
- Matsuura, Fumiyoshi; Emori, Eita; Shinoda, Masanobu; Clark, Richard; Kasai, Shunji; Yoshitomi, Hideki; Yamazaki, Kazuto; Inoue, Takashi; Miyashita, Sadakazu; Hihara, Taro; Harada, Hitoshi; Ohashi, Kaya. **Preparation of phenylpropionic acid and indolylpropionic acid derivatives and salt thereof as dual or triple agonists of peroxisome proliferator-activated receptors (PPAR).** PCT Int. Appl. (2002), 404 pp. CODEN: PIXXD2 WO 0100812 A1 20021219 CAN 138:39105 AN 2002:964312 CAPLUS
- Iizuka, Hajime; Koito, Mitsuo; Suzuki, Noriyuki; Kusumoto, Masahiko. **Process for preparing amino acid N-carboxy anhydrides.** Jpn. Kokai Tokkyo Koho (2002), 6 pp. CODEN: JKXXAF JP 2002356481 A2 20021213 CAN 138:24945 AN 2002:944711 CAPLUS

Refine by Document Type

Select the Document Type(s) of interest:

<input type="checkbox"/> Biography	<input type="checkbox"/> Dissertation	<input type="checkbox"/> Patent
<input type="checkbox"/> Book	<input type="checkbox"/> Editorial	<input type="checkbox"/> Preprint
<input type="checkbox"/> Clinical Trial	<input type="checkbox"/> Historical	<input type="checkbox"/> Report
<input type="checkbox"/> Commentary	<input checked="" type="checkbox"/> Journal	<input type="checkbox"/> Review
<input type="checkbox"/> Conference	<input type="checkbox"/> Letter	

OK Back

Analyze or Refine References

Get Related...

Back

“Get related” Substances

NEU in 2002

Was wurde in diesen Artikeln unter Einsatz von Triphosgen hergestellt ?

Get Related Information

Select One:

- Cited References
Get references cited in the selected document(s)
- Citing References
Get references that cite the selected document(s)
- Substances**
Get substances associated with the selected document(s)
- Reactions
Get reactions associated with the selected document(s)

Get Substances

Retrieve substances for:

- All references
- Selected references

For each reference, retrieve:

- All substances
- Substances associated with:
 - Adverse Effect, including Toxicity
 - Analytical Study
 - Biological Study
 - Combinatorial Study
 - Formation, nonpreparative
 - Miscellaneous
 - Occurrence
 - Preparation
 - Process
 - Properties
 - Reactant or Reagent
 - Uses

OK Back

Substances 1-24 of 3411

Analyze or Refine Substances Back

“Get related” Substances

NEU in 2002

Welche Heterozyklen waren dabei? - ein kleiner Umweg:

The image shows a screenshot of the SciFinder software interface. On the left, the 'Analyze or Refine' panel is visible, with the 'Refine' option selected and circled in pink. The main window displays a chemical structure of a ketone (R₂C=O) with 'A' labels on the R groups. A dialog box titled 'Get Substances (Refine)' is open, showing options to search for 'an exact match or a related structure' (unselected) or 'a substructure of a more complex structure' (selected). The interface includes a menu bar (File, Edit, View, Tools, Template, Help), a toolbar with various chemical drawing tools, and a bottom panel with a formula input field (containing 'A'), element selection buttons (C, H, O, S, N, P, Cl, Br, F, Si, I), and a 'Scale' dropdown set to 100. The status bar at the bottom indicates 'Formula not available'.

3/18/2003

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“Get related” Substances

NEU in 2002

The screenshot displays the SciFinder software interface. The background shows a grid of search results, each with a chemical structure and a reference registry number (e.g., 496052-42-7, 496052-41-6, 496052-40-5, 496052-39-2, 496052-38-1, 496052-37-0, 496052-32-5, 496052-31-4, 491877-97-5, 491877-96-4, 491877-95-3, 491877-94-2). Two dialog boxes are overlaid on the interface:

- Analyze or Refine** dialog box:
 - Select One:**
 - Analyze**: Display histograms by Precision, Ring Skeletons, etc.
 - Refine**: Narrow your answer set by Structure, Availability, or Property Data.
 - Buttons: Cancel
- Analyze** dialog box:
 - Use Analyze to view a subset of your answers.
 - Analyze by one of these methods:
 - Real-atom attachments
 - Variable group (A, Q, X, and M) composition
 - R-group composition
 - Precision
 - Ring skeletons
 - Stereo
 - Analyze only selected substances
 - Analyze all substances
 - Buttons: OK, Cancel

“Get related” Substances

NEU in 2002


Ring Analyze

Analyze by ring characteristics using the specific atoms, and the type of bond

All rings analyzed will contain at least

- Ring skeleton only
- Ring skeleton with atoms
- Ring skeleton with atoms and bonds

OK

<input type="checkbox"/> 292 Substances containing: 	<input type="checkbox"/> 102 Substances containing: 	<input type="checkbox"/> 69 Substances containing: 	<input type="checkbox"/> 68 Substances containing: 	<input type="checkbox"/> 58 Substances containing: 	<input type="checkbox"/> 53 Substances containing: 
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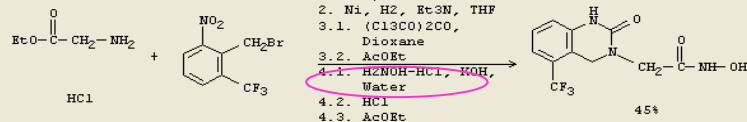
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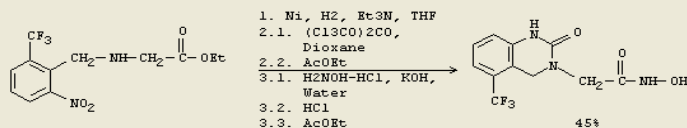
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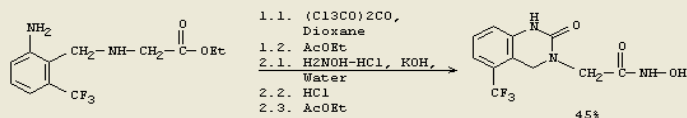
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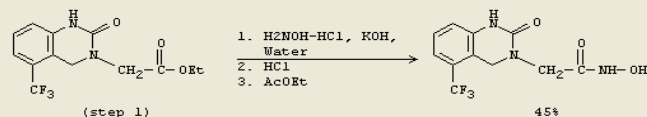
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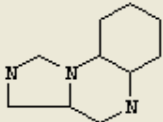


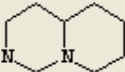

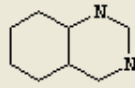


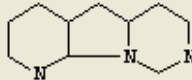
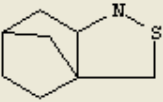

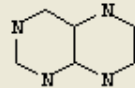

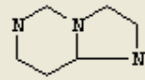
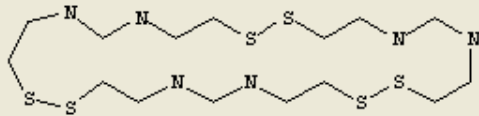


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The screenshot shows the SciFinder Scholar web application. The main window displays the chemical structure of triphosgene (Bistrichlormethycarbonat, BTC) with the SMILES string Cl3C-O-C(=O)-O-CCl3. Below the structure, it indicates "-682 References" and "REGISTRY". A "Get References" dialog box is open, allowing the user to filter references for the substance. The dialog has two sections: "For this substance, retrieve:" and "For each sequence, retrieve:". In the first section, "References associated with:" is selected, and "Reactant or Reagent" is checked. In the second section, "Additional related references, e.g., activity studies, disease studies. For more detail, click [here](#)." is unchecked. The dialog has "OK" and "Back" buttons.

Einsatz von Triphosgen (Bistrichlormethycarbonat, BTC) als Phosgen - Ersatzstoff für meine Synthesen von Heterozyklen

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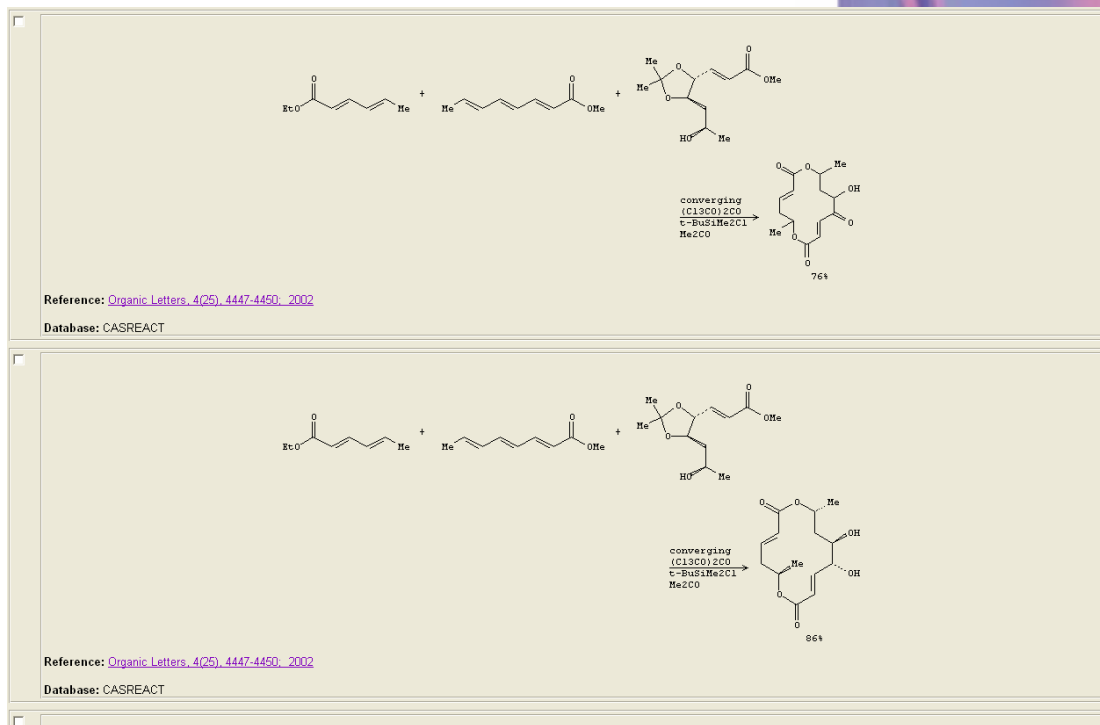
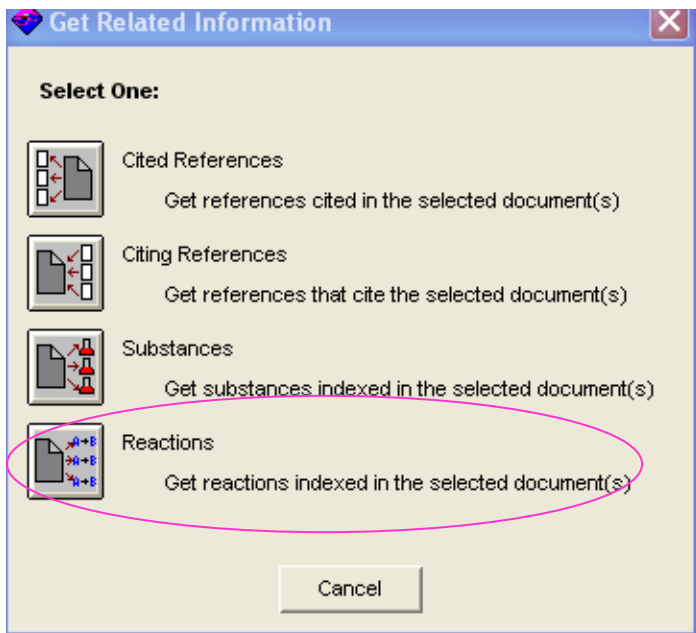
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Eingrenzen auf Edukt und Produkt in zwei Schritten:

The image shows a screenshot of the SciFinder software interface. On the left, the 'Refine by Reaction' dialog box is open, showing options to refine results by: Chemical Structure, Product Yield, Number of Steps, and Reaction Classification. The main workspace displays the chemical structure of trichloroacetic acid (CCl(=O)OCCl). A 'Get Reactions - Role Definition' dialog box is also open, allowing the user to specify the role of the structure in the reaction (Product, Reactant, Reagent, or Anywhere in the reaction). The interface includes a toolbar with various drawing tools, a menu bar (File, Edit, View, Tools, Template, Help), and a status bar at the bottom showing the chemical formula C3 Cl6 O3 and the molecular weight 296,75.

3/18/2003

SciFinder is a registered trademark of
the American Chemical Society

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“Get related” Reactions

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The image shows a screenshot of the SciFinder Scholar software interface. The main window displays a chemical structure of a bicyclic compound (a benzene ring fused to a six-membered ring containing two nitrogen atoms). A dialog box titled "Get Reactions - Role Definition" is open, showing options for defining the role of the structure in a reaction:

- a Product
- a Reactant
- a Reagent
- a Reactant or a Reagent
- Anywhere in the reaction

The dialog box has "OK" and "Cancel" buttons. The main window also shows a toolbar with various icons for editing and viewing, and a search bar at the bottom with the formula C8H10N2 and a scale of 100. The SciFinder Scholar logo is visible in the bottom right corner.



“Get related” Reactions

NEU in 2002

The screenshot displays the SciFinder Scholar interface with two reaction results. The top result shows the synthesis of a cyclic amide from a benzene ring with a primary amine and a secondary amine. The bottom result shows a similar synthesis but with a nitro and trifluoromethyl group on the benzene ring. Both results include a list of reagents and conditions, a reference to the Journal of Medicinal Chemistry, and the database source CASREACT.

Reaction 1:

1. $\text{BrCH}_2\text{CO}_2\text{Et}$, Et_3N , Dioxane
2.1. $(\text{Cl}_3\text{CO})_2\text{CO}$, Dioxane
2.2. AcOEt
3.1. $\text{H}_2\text{NOH-HCl}$, KOH , Water
3.2. HCl
3.3. AcOEt

Reference: [Journal of Medicinal Chemistry, 44\(12\), 1847-1852; 2001](#)
Database: CASREACT

Reaction 2:

1. NaH , DMF
2. Ni , H_2 , Et_3N , THF
3.1. $(\text{Cl}_3\text{CO})_2\text{CO}$, Dioxane
3.2. AcOEt
4.1. $\text{H}_2\text{NOH-HCl}$, KOH , Water
4.2. HCl
4.3. AcOEt

Reference: [Journal of Medicinal Chemistry, 44\(12\), 1847-1852; 2001](#)
Database: CASREACT

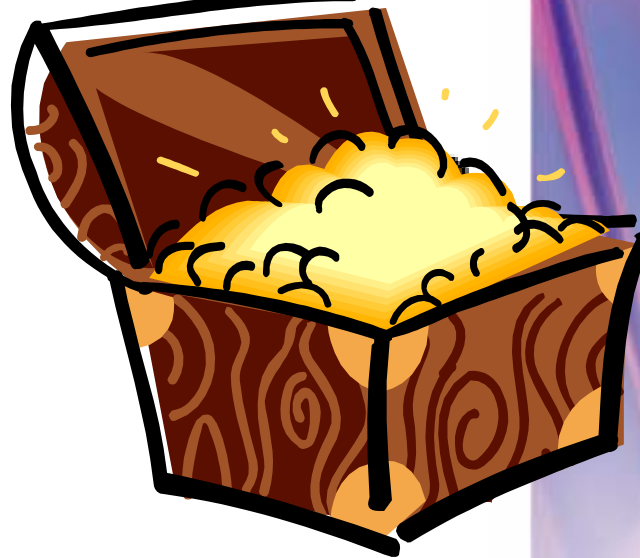
SciFinder
SCHOLAR
2002



HBZ

Schatzsuche in Dokumenten

1. Get related zitierende Schriften
2. Get related zitierte Schriften
3. Get related Substances
4. Get related Reactions



Fragen ?

Wünsche:

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