

The Business of Chemistry

SLA Annual Conference, June 2009

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Overview

- **Technology-specific sources for business information**
 - Chemistry
 - Patent
 - Bibliographic
- **Case Studies**
 - Competitive intelligence
 - Searching for people/organizations
 - Exploring licensing information

A number of databases exist that focus specifically on business sources in the chemical industry and related fields

- Chemical Industry Notes (CIN[®])
- Chemical Business NewsBase (CBNB)
- Newsletter Database (NLDB)
- Materials Business (MATBUS)
- IMS databases (pharmaceuticals)
- RAPRA (polymers)

Chemical Industry Notes (CIN) covers worldwide business events in the chemical industry since 1974

Database type: bibliographic

Sources: journals, trade publications, newspapers, newsletters, government publications, etc.

Coverage: 1974-present (~1.6 million records)

Update frequency: daily

Alerts: weekly or bi-weekly


Producer: CAS

Special features: classification codes (CC), geographic term field with thesaurus (GT), named person field (NA)

CIN highlights:

- **Classification Codes to focus your search**
 - A: Production
 - B: Pricing
 - C: Sales
 - D: Facilities
 - E: Products and Processes
 - F: Corporate Activities
 - G: Government Activities
 - H: People
- **Geographic Term thesaurus is an invaluable resource and terms can be used in other databases as well.**
- **CAS Registry Numbers[®] are searchable as part of the basic index.**
- **Company name thesaurus in CPlusSM can be used to gather terms for the company field searching.**

Geographic Terms Thesaurus in CIN

E13	37669	BT5	World/GT
E14	19	BT4	Eurasia/GT
E15	18252	BT3	Asia/GT
E16	3661	BT2	Far East/GT
E17	1466	BT1	East Asia/GT
E18	37669	BT2	World/GT
E19	4150	BT1	Pacific Rim/GT
E20	10	BT2	Organizations/GT
E21	2100	BT1	UN/GT
E22	65342		China/GT
		NOTE	Officially People's Republic of China. There are 22 provinces, 5 autonomous regions, and 3 municipalities that are directly under the Central Government.
E23	0	UF	Mainland China/GT
E24	0	UF	PRC/GT
E25	0	UF	People's Republic of China/GT
E26	467	NT1	Anhui/GT
E27	3963	NT1	Beijing/GT
E28	561	NT1	Fujian/GT
E29	381	NT1	Gansu/GT
E30	1414	NT1	Guangdong/GT
E31	446	NT1	Guangxi/GT
E32	300	NT1	Guizhou/GT
E33	484	NT1	Hainan/GT
E34	619	NT1	Hebei/GT
E35	362	NT1	Heilongjiang/GT
E36	630	NT1	Henan/GT

CIN Example Record:

L3 ANSWER 1 OF 5 CIN COPYRIGHT 2009 ACS on STN
AN 26(46):50959B CIN [Full-text](#)
TI World **coatings** markets show new regional demand strength
SO Chem. Mark. Rep., 3 Nov 1997 (971103), 252(18), p. 34. ISSN: 1092-0110;
CODEN: CMREF6.
LA English
AB The global **coatings** market is undergoing a major restructuring. Recent strategic repositioning moves by the main industry players are resulting in a new structure with four distinct major regional markets, says David Nick, managing director of DPNA International, a Cincinnati, Ohio-based business consultancy. DPNA estimates that the world will consume 4.58 billion gallons of paint this year. Europe, both western and eastern, should consume about 29 percent of the total, the Americas claim 37 percent, and Asia Pacific is pegged at 24 percent. **Market size** of the rest of the world stands at 10 percent, according to Mr. Nick. The illustrated article provides details.
CC C (Sales) ←
ST ***coating** market World
paint market World
CO DPLNA International
GT *World; Ohio; The Americas; Pacific Rim ←
RN 107716-17-6 (DPNA)

Chemical Business NewsBase (CBNB) covers worldwide news affecting the chemical industry and end-user segments

Database type: bibliographic

Sources: journals, trade publications, newspapers, company reports, stock broker reports, books, press releases, advertisements, government publications, etc.

Coverage: 1984-present (~1.3 million records)

Update frequency: daily

Alerts: weekly

Producer: Elsevier Engineering Information

Special features: classification codes (CC), geographic term field (GT), controlled term field (CT), SIC number field (SIC)

CBNB Highlights:

- **Controlled indexing (term and code) is available for company name and geographic term fields.**
- **SIC code field can be searched using terms or 2, 3, or 4 numbers.**
- **Don't forget to consider the language of the original document.**
- **Chemical name field is searchable but not standardized**
- **CAS Registry Numbers are searchable in the basic index.**

CBNB Example Record:

L3 ANSWER 1 OF 1 CBNB COPYRIGHT 2009 EI on STN
AN 12(48):055997 CBNB [Full-text](#)
TI Novon degradable polymer pleasing to dogs' palates.
SO Plastics News (14 Oct 1996) 8 (33), 26, (200-899 words)
ISSN: 1042-802X
DT Journal
LÅ English
PY 1996
AB In Nov 1996, Doane Products Co began to take delivery of a masterbatch from **Novon International** Inc, which contains a starch-based polymer. The polymer is being used by the company for the production of dog chews. Colours and flavours are added before the polymer is extruded into a bone shape. It will be made available on the market from Jan 1997. In late autumn 1996, new biodegradable turf tacks are to be marketed by Eco-Turf Inc. These are also made of **Novon International's** degradable polymers and are claimed to be less noticeable than conventional pegs.
CC MS-16; TR-30; MS-03 ←
Plastics and Rubbers Applications; Trends - New Application; Food, Feed, and Beverages
CO **Novon International**; Doane Products; Eco-Turf
GT 2101: USA
CT new application or end-use; sales
CN biodegradable plastics
SIC 2821 Plastics Materials NEC ←

Newsletter Database (NLDB) covers newsletters from technical industries and companies worldwide

Database type: full text

Sources: over 600 business and industry newsletters

Coverage: 1988-present (~6 million records)

Update frequency: daily

Alerts: weekly

Producer: Gale Group

Special features: geographic term field (GT), controlled term field (CT), NAIC field (NAIC), word count field (WC)

Numerous types of resources exist to get information from patents

- **Full-text patent databases**
 - Large volume of data, so search must be carefully crafted
 - Language barrier can be a challenge
 - Fields such as Agent and Number of Claims can provide unique information
- **Indexed bibliographic databases containing patents**
 - Derwent WPI, INPADOCDB, CAplus, PIRA, RAPRA, TULSA, etc.
 - Intellectual indexing adds access points for better retrieval
 - Enhanced and translated titles/abstracts
 - Thesauri and data harmonization tools enhance searches
- **Databases covering legal status**
 - INPADOCDB, PCTFULL, USPATFULL, IFICLS, IMSPATENTS
 - Provide information on assignment, abandonment, expiration, etc.

Useful business information can also be found in traditional bibliographic sources

- The abstracts of review articles frequently contain market overview information including sales volumes and key industry trends.
- Well-developed thesauri are useful in finding all the relevant terms for a technology or grouping company names.
- Cited references can direct you to additional useful sources.
- Thesauri will help find relevant controlled terminology for business concepts if they exist.

Reviews often address broad trends in an area and provide many references

AN 2008:888845 SCISEARCH [Full-text](#)
GA The Genuine Article (R) Number: 322ZE
TI Putting to rest the myth of creatine supplementation leading to muscle cramps and dehydration
AU Dalbo, V. J. (Reprint)
CS Univ Oklahoma, Dept Hlth & Exercise Sci, Appl Biochem & Mol Physiol Lab, 1401 Asp Ave, Norman, OK 73019 USA (Reprint)
AU Roberts, M. D.; Stout, J. R.; Kerksick, C. M.
CS Univ Oklahoma, Dept Hlth & Exercise Sci, Appl Biochem & Mol Physiol Lab, Norman, OK 73019 USA; Univ Oklahoma, Metab & Body Compos it Lab, Dept Hlth & Exercise Sci, Norman, OK 73019 USA
E-mail: vinnyjames@ou.edu
CYA USA
SO BRITISH JOURNAL OF SPORTS MEDICINE, (JUL 2008) Vol. 42, No. 7, pp. 567-573.
ISSN: 0306-3674.
PB B M J PUBLISHING GROUP, BRITISH MED ASSOC HOUSE, TAVISTOCK SQUARE, LONDON WC1H 9JR, ENGLAND.
DT **General Review**; Journal
LA English
REC Reference Count: 50
ED Entered STN: 24 Jul 2008
Last Updated on STN: 24 Jul 2008
AB Creatine is one of the most popular athletic supplements with sales surpassing 400 million dollars in 2004. Due to the popularity and efficacy of creatine supplementation over 200 studies have examined the effects of creatine on athletic performance. Despite the abundance of research suggesting the effectiveness and safety of creatine, a fallacy appears to exist among the general public, driven by media claims and anecdotal reports, that creatine supplementation can result in muscle

The CPlus Company Name Thesaurus provides extensive history and valuable search terms

E14 820 --> 3M/CO

NOTES 1902: Minnesota Mining and Manufacturing Co. founded

1920: Durex Corp. formed

1970: Minnesota Mining and Manufacturing Co. acquired Riker Laboratories

1987: Minnesota Mining and Manufacturing Co. acquired Unitek Corp.

1996: Minnesota Mining and Manufacturing Co. acquired PyMaH Corp.

1999: Minnesota Mining and Manufacturing Co. acquired Dyneon LLC

2001: Minnesota Mining and Manufacturing Co. acquired ESPE Dental AG

2002: Minnesota Mining and Manufacturing Co. renamed 3M Co.

2005: 3M Co. acquired CUNO Inc.

2006: 3M Co. acquired Nylonge Corp.

2006: 3M Co. acquired Biotrace Ltd.

2007: 3M Co. acquired Venture Tape Corp.

2008: 3M Co. acquired Polyfoam Products, Inc.

2008: 3M Co. acquired EMFI S. A.

2008: 3M Co. acquired Meguiar's Inc.

Software tools can be helpful in extracting trends from large bodies of information to support business decisions

- Excel
- Analyze
- Analyze Plus
- Categorize
- Panorama
- STN[®] AnaVist[™]
- STN Express[®] report statistics

Case Studies

- **Competitive intelligence**
- **Searching for people/organizations**
- **Exploring licensing information**

There are two main approaches to competitive intelligence

- **Start with a technology to find**
 - Key organizations
 - Market size
 - Trends and related technologies
- **Start with a organization to find**
 - Technology areas
 - Key researchers
 - Trends or geographic reach
 - Marketing or licensing potential



For an overview of the powder coatings market, start by looking for review articles

L13 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2009 ACS on STM
ACCESSION NUMBER: 2002:700340 CAPLUS [Full-text](#)
DOCUMENT NUMBER: 137-386007
TITLE: Powder and waterborne coatings 2000-2010 - is past growth sustainable? New technological developments and the impact on future markets, a world overview
AUTHOR(S): Busato, Franco
CORPORATE SOURCE: Managing Partner of Irfab Chemical Consultants, Brussels, Belg.
SOURCE: Macromolecular Symposia (2002), 187(Quo Vadis-Coatings?), 17-21
CODEN: MSYMEC; ISSN: 1022-1360
PUBLISHER: Wiley-VCH Verlag GmbH
DOCUMENT TYPE: Journal; **General Review**
LANGUAGE: English

AB A review. Globally, the penetration of **POWDER COATINGS** in the Industrial Paints sector is 6%. The deepest penetration is in Europe with just over 9%, of which Italy leads, also worldwide, with the highest degree, 15%. Follow Asia-Pacific, North America. In ten years time, global penetration of **powder coatings** will reach the 10% level. Penetration of **powder coatings** is much different in the individual European countries. By the year 2010, penetration of **WATERBORNE industrial coatings** will reach a level of over 30%. The European Waterborne Industrial Coatings Industry was over 500,000 tons in 1999 and will reach the one million Tons mark by the year 2010. Overall, the penetration of Waterborne Coatings in the Industrial Paints sector is currently around 20%. When considering individual market segments, penetration varies from 3% to 70%. Selected industrial coatings sectors, having low penetration of 3% in 2000, will reach up to 15% by the year 2010 at the expense of solvent borne paints and other non-environmentally-friendly systems. Main resin systems include:

One-field analysis can quickly show key market players

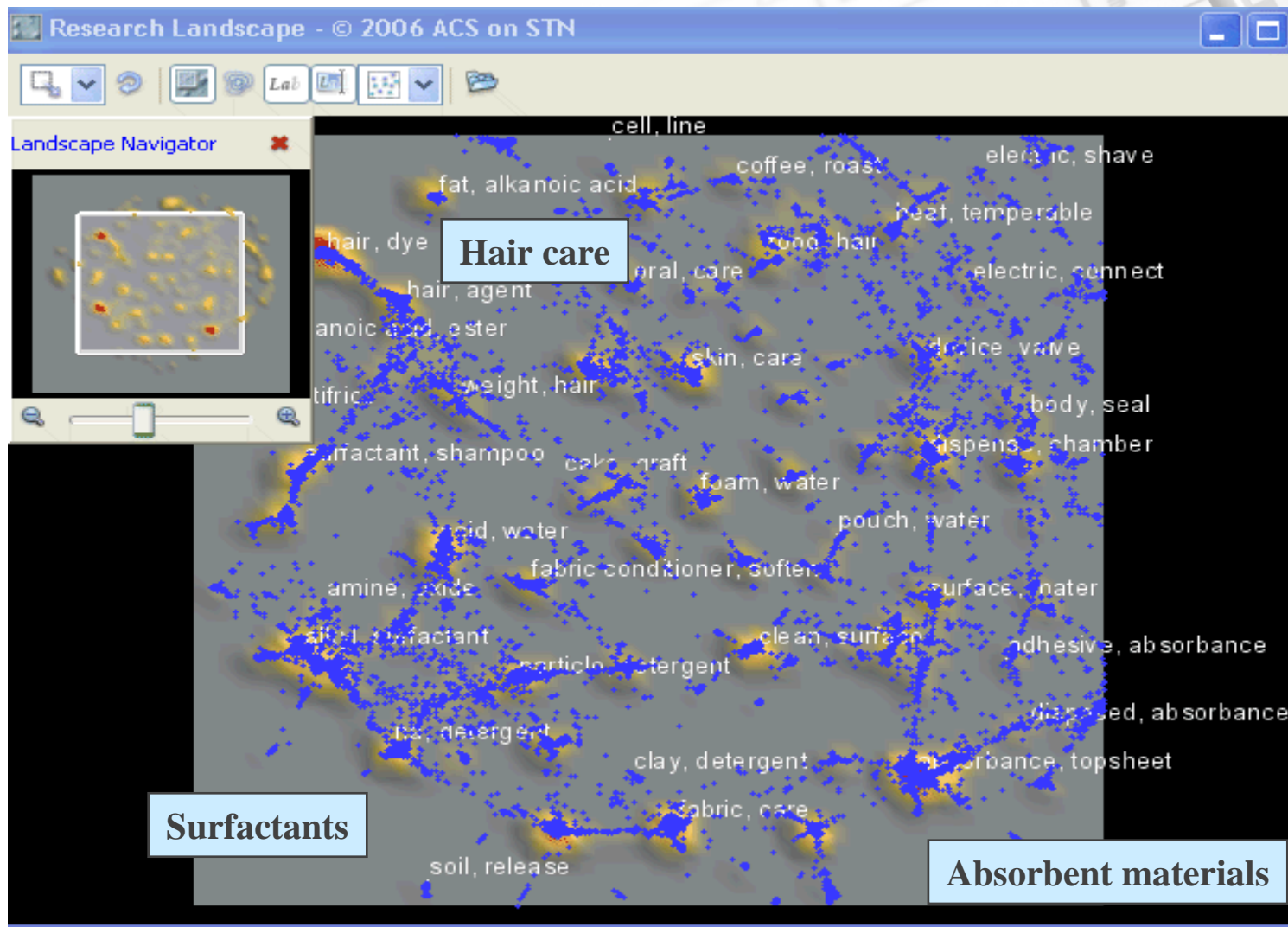
TERM #	# OCC	# DOC	% DOC PA	
1	22	22	1.36	BASF AKTIENGESELLSCHAFT
2	19	19	1.18	PPG INDUSTRIES OHIO, INC.
3	16	16	0.99	GENERAL ELECTRIC COMPANY
4	13	13	0.80	3M INNOVATIVE PROPERTIES COMPANY
5	11	11	0.68	FUJI XEROX CO., LTD.
6	10	10	0.62	AUTOMOTIVE TECHNOLOGIES INTERNATIONAL, INC.
7	10	10	0.62	MICROFABRICA INC.
8	9	9	0.56	ABBOTT LABORATORIES
9	9	9	0.56	L'OREAL
10	8	8	0.49	DOW GLOBAL TECHNOLOGIES INC.
11	8	8	0.49	KANEKA CORPORATION
12	8	8	0.49	XEROX CORPORATION
13	7	7	0.43	ACCLARENT, INC.
14	7	7	0.43	ACUSHNET COMPANY
15	7	7	0.43	BASF CORPORATION
16	7	7	0.43	DEGUSSA GMBH

Two-field analysis can reveal trends

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
STN Express with Discover! Analysis Edition																							
Xerox	2		2	12	10	20	15	20	10	24	12	14	18	14	15	24	28	11	9	18	6	9	2
3M	2	2	4	1		3	5	4	7	6	13	13	12	19	30	28	39	6	20	11	8	8	6
E.I. du Pont de Nemours	2	3	1	10	10	7	3	5	9	13	14	17	24	18	15	15	8	6	1	2		3	7
BASF	1		1		1	1	2	2	4	11	12	12	25	36	32	17	24	19	14	11	20	37	5
Dow Chemical	13	11	9	6	5	6	10	13	7	6	14	11	4	7	8	5	2	2	1	1	7	9	
PPG Industries	3	4	8	7	7	3	6	2	3	4	7	6	13	9	34	14	10	6	1		7	18	12
Nordson	4	4	5	3	5	7	2	9	7	7	10	17	9	8	7	11	7	7	6	1	2	2	4
General Electric		1	4		2	1	4	2	3	2		3	3	5	6	4	1	5	6	10	23	17	5
Sanofi-Aventis	2	2	2	5	9	2	6		8	16	10	19	7	8	9	6	6	2	2	1	3	4	
Evonik Degussa	2	1		2				1	3	5	5	6	9	8	9	11	16	7	12	5	2	12	1
Rohm & Haas				1	1	2	6	4	6	6	7	11	10	19	12	11	2	3	2		1		

- Strong emergence of powder coating technology in mid-1990s
- Rohm & Haas and Sanofi are declining players
- BASF and GE seem to be current leaders

Are you interested in a particular company's research direction? Visualization can show the "big picture"



A more detailed view can reveal the company's strategic direction

Technology Indicators by Publication Years - © 2006 ACS on STN

	2007	2006	2005	2004	2003	2002	2001
Detergents	15	50	68	66	69	77	149
Surfactants	29	64	65	69	88	77	155
Alcohols	13	63	62	64	62	88	96
Hair preparations	21	79	73	45	75	119	113
Polysiloxanes	25	44	53	61	78	99	77
Cosmetics	21	49	47	51	62	78	92
Polyoxyalkylenes	10	40	46	59	69	107	103
Fatty acids	9	31	36	39	36	26	55
Quaternary ammonium compo...	11	32	14	30	28	22	63
Bleaching agents	2	9	13	10	14	18	44
Drug delivery systems	3	15	26	19	33	45	42
Carboxylic acids	2	8	10	13	18	31	32
Perfumes							
Polymers							
Amides							
Medical goods							

Trends:

- Overall drop in publications from 2001 to 2006
- Significant drops in detergents (149 to 50), surfactants (155 to 64), bleaching agents (44 to 9)
- Increasing focus on hair preparations.

Finding people or organizations with a particular research focus can be valuable for partnering, hiring, or consulting

- Use bibliographic databases covering relevant fields to search the technology of interest.
- Analyze by author or organization.
- Account for likely name variations in your analysis.
- Search names to find prior affiliations with other organizations to gain insight into age, publication volume, career path, and potential conflicts of interest.
- Look for awards announcements, book chapter authors, journal editors, etc. to identify recognized leaders in the field.

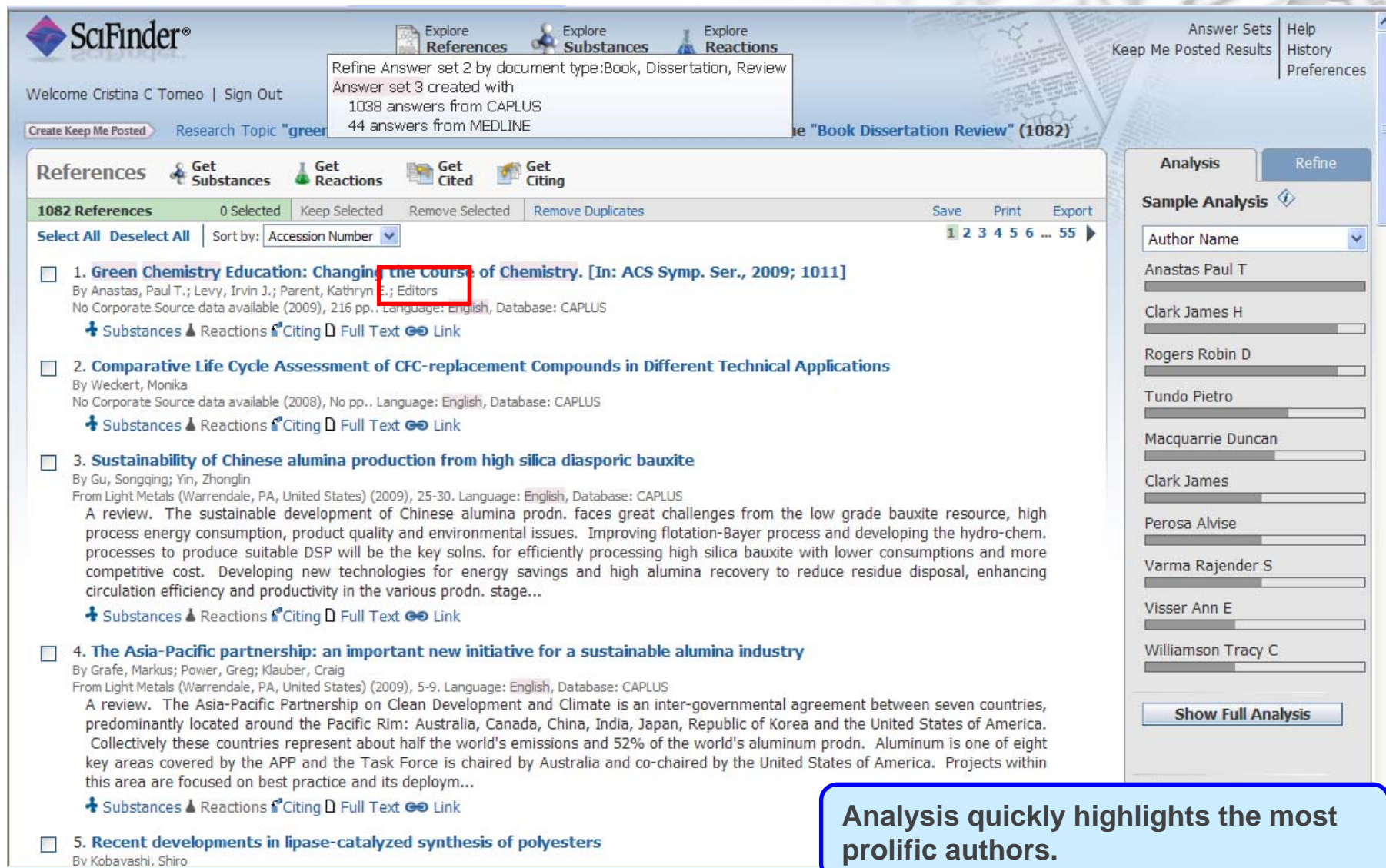
A university is interested in recruiting faculty doing research in the area of “green chemistry”

The screenshot shows the SciFinder database interface. At the top, there are navigation options: 'Explore References', 'Explore Substances', and 'Explore Reactions'. The user is logged in as 'Cristina C. Tomeo'. The search results are for the topic 'green chemistry', refined to 'English' (7050 references). The results are sorted by 'Accession Number' and show 7050 references. The first three results are highlighted with a blue box:

- 1. The Transformative Innovations Needed by Green Chemistry for Sustainability**
By Anastas, Paul T.
From ChemSusChem (2009), 2(5), 391-392. Language: English, Database: CAPLUS
Green chem. is discussed as a central design framework for the implementation of new scientific knowledge into everyday life. When addressed in such a manner, sustainability and economic viability are not necessarily mutually exclusive.
Substances Reactions Citing Full Text Link
- 2. Metallic and organic study: a detective green chemistry approach**
By Talware, P. P.; Shrivastava, V. S.
From Asian Journal of Chemical and Environmental Research (2008), 1(4), 54-58. Language: English, Database: CAPLUS
This work describes a green chem. approach by the detection and identification of metals and org. compds. in industrial wastewater by ICP-AES and GC-MS techniques. For detection of metals HCl-HNO3 ext. was prepd., while org. compds. were detected in CH2Cl2 extd. mass. Also the functional groups present in org. compds. were identified by FTIR. For this study industrial wastewater samples from MIDC, Talaja, Mumbai were collected. At this point the soil is getting polluted by the disposal of different industrial wastewater. Detected some of the metals and org. compds. are toxic to the enviro...
Substances Reactions Citing Full Text Link
- 3. Molecular recycling: application of the Twelve Principles of Green Chemistry in the diversion of post-consumer poly(lactic acid) waste**
By Boice, Jennifer N.; King, Christina M.; Higginbotham, Carol; Gurney, Richard W.
From Journal of Materials Education (2008), 30(5-6), 257-280. Language: English, Database: CAPLUS
An increase in worldwide environmental consciousness has led to a movement to pursue methods of synthesis and reclamation that are environmentally friendly, or "green.". Biodegradable, single-use, polylactic acid (PLA) cups, containers and utensils produced by Natureworks LLC from corn derived lactic acid are produced while generating water as the only byproduct. These plastic consumables already a product of benign design, can be hydrolyzed into lactic acid and com. manif. of these PLA consumables currently provides an...
Substances Reactions Citing Full Text Link

The right sidebar shows the 'Refine' options. Under 'Refine by:', 'Document Type' is selected. Under 'Document Type(s):', 'Book' and 'Review' are checked.

Authorship of book chapters, reviews, and dissertations shows significant dedication to a particular topic.



SciFinder®

Welcome Cristina C Tomeo | Sign Out

Explore References | Explore Substances | Explore Reactions

Refine Answer set 2 by document type: Book, Dissertation, Review
Answer set 3 created with
1038 answers from CAPLUS
44 answers from MEDLINE

Research Topic "green" | "Book Dissertation Review" (1082)

References | Get Substances | Get Reactions | Get Cited | Get Citing

1082 References | 0 Selected | Keep Selected | Remove Selected | Remove Duplicates | Save | Print | Export

Select All | Deselect All | Sort by: Accession Number | 1 2 3 4 5 6 ... 55 ▶

1. **Green Chemistry Education: Changing the Course of Chemistry.** [In: ACS Symp. Ser., 2009; 1011]
By Anastas, Paul T.; Levy, Irvin J.; Parent, Kathryn E.; Editors
No Corporate Source data available (2009), 216 pp.. Language: English, Database: CAPLUS
+ Substances ▲ Reactions 📄 Citing 📄 Full Text 🔗 Link

2. **Comparative Life Cycle Assessment of CFC-replacement Compounds in Different Technical Applications**
By Weckert, Monika
No Corporate Source data available (2008), No pp.. Language: English, Database: CAPLUS
+ Substances ▲ Reactions 📄 Citing 📄 Full Text 🔗 Link

3. **Sustainability of Chinese alumina production from high silica diasporic bauxite**
By Gu, Songqing; Yin, Zhonglin
From Light Metals (Warrendale, PA, United States) (2009), 25-30. Language: English, Database: CAPLUS
A review. The sustainable development of Chinese alumina prodn. faces great challenges from the low grade bauxite resource, high process energy consumption, product quality and environmental issues. Improving flotation-Bayer process and developing the hydro-chem. processes to produce suitable DSP will be the key solns. for efficiently processing high silica bauxite with lower consumptions and more competitive cost. Developing new technologies for energy savings and high alumina recovery to reduce residue disposal, enhancing circulation efficiency and productivity in the various prodn. stage...
+ Substances ▲ Reactions 📄 Citing 📄 Full Text 🔗 Link

4. **The Asia-Pacific partnership: an important new initiative for a sustainable alumina industry**
By Grafe, Markus; Power, Greg; Klauber, Craig
From Light Metals (Warrendale, PA, United States) (2009), 5-9. Language: English, Database: CAPLUS
A review. The Asia-Pacific Partnership on Clean Development and Climate is an inter-governmental agreement between seven countries, predominantly located around the Pacific Rim: Australia, Canada, China, India, Japan, Republic of Korea and the United States of America. Collectively these countries represent about half the world's emissions and 52% of the world's aluminum prodn. Aluminum is one of eight key areas covered by the APP and the Task Force is chaired by Australia and co-chaired by the United States of America. Projects within this area are focused on best practice and its deploym...
+ Substances ▲ Reactions 📄 Citing 📄 Full Text 🔗 Link

5. **Recent developments in lipase-catalyzed synthesis of polyesters**
By Kobavashi, Shiro

Analysis | Refine

Sample Analysis ⓘ

Author Name ▼

Anastas Paul T

Clark James H

Rogers Robin D

Tundo Pietro

Macquarrie Duncan

Clark James

Perosa Alvise

Varma Rajender S

Visser Ann E

Williamson Tracy C

Show Full Analysis

Analysis quickly highlights the most prolific authors.

SciFinder®

Explore References Explore Substances Explore Reactions

Welcome Cristina C Tomeo | Sign Out

Create Keep Me Posted Research Topic "green chemistry" > references (9604) > refine "English" (7050) > refine "Book Dissertation Review" (1082) > refine

References Get Substances Get Reactions

21 References 0 Selected Keep Selected Remove

Select All Deselect All Sort by: Accession Number

1. **Green Chemistry Education: Changing the**
By Anastas, Paul T.; Levy, Irvin J.; Parent, Kathryn E.; ...
No Corporate Source data available (2009), 216 pp., Lan...
+ Substances + Reactions + Citing + Full Text

2. **Toward green nano. E-factor analysis of**
By Eckelman, Matthew J.; Zimmerman, Julie B.; Anastas, ...
From Journal of Industrial Ecology (2008), 12(3), 316-328
A review. Com. and research interest in nano...
private sources in 2005. While the list of pot...
governments and researchers alike to under...
applies green chem. and engineering principl...
of green nano and review past policy and res...
+ Substances + Reactions + Citing + Full Text

Analysis - Publication Year

0 Selected Sort by: Natural Order

Select bars to view only those references within the current answer set.

Year	Count
2009	1
2008	1
2007	2
2003	1
2002	3
2001	2
2000	3
1999	1
1998	5
1996	2

Apply Cancel

Analysis of an author's work can reveal key details about their career.

Licensing information can help identify market strategies of competitors and reveal opportunities

- See what a company has out-licensed to identify areas they may be abandoning.
- See what a company is in-licensing to determine possible future directions or products.
- See what is available for licensing that might be an opportunity for your organization.

Legal status fields provide unique information on the events impacting a patent after it is filed

L13 ANSWER 112 OF 993 USPATFULL on STM

ASSIGNMENT HISTORY FOR US 20080027036

RAI RAD: 20070727
 RAUP: 20080131
 RAK: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).
 PAO: BURLI, ROLAND (DATE EXECUTED: 20070727)
 CEE, VICTOR J. (DATE EXECUTED: 20070727)
 GOLDEN, JENNIFER (DATE EXECUTED: 20070727)
 LANMAN, BRIAN ALAN (DATE EXECUTED: 20070727)
 NEIRA, SUSANA (DATE EXECUTED: 20070727)
 RAC: AMGEN INC., ONE AMGEN CENTER DRIVE, THOUSAND OAKS, CALIFORNIA
 91320, UNITED STATES
 RAA: AMGEN INC., ONE AMGEN CENTER DRIVE, M/S 28-2-C, THOUSAND OAKS, CA
 91320
 MRN: 19616 MFN: 348 (8 Page(s))

RAI RAD: 20070827
 RAUP: 20080131
 RAK: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).
 PAO: AMGEN INC. (DATE EXECUTED: 20070824)
 RAC: EPIX PHARMACEUTICALS, INC., 4 MAGUIRE ROAD, LEXINGTON,
 MASSACHUSETTS 02421, UNITED STATES
 RAA: AMGEN INC., ONE AMGEN CENTER DRIVE, THOUSAND OAKS, CA 91320
 MRN: 19747 MFN: 573 (2 Page(s))

- PAO Patent Assignee Original
- RAA Reassignment Agent
- RAC Reassignment Company
- RAD Reassignment Date
- RAI Reassignment Information
- RAK Reassignment Kind

Analysis of legal status changes can show company strategy

```
=> s amgen/rac
```

```
L16          993 AMGEN/RAC
```

```
=> analyze l16 ipc
```

```
ENTER ANSWER NUMBER OR RANGE (1-):1-
```

```
ANALYZE IS APPROXIMATELY 56% COMPLETE
```

```
L17          ANALYZE L16 1- IPC :
```

```
=> d 1-15
```

```
L17          ANALYZE L16 1- IPC :
```

- Search by company name in reassignment company field (RAC)
- Analyze by IPC to determine what technology areas they are acquiring rights to use.

TERM #	# OCC	# DOC	% DOC	IPC
1	589	277	27.90	A61K0038-00
2	450	324	32.63	C07K0014-435
3	332	139	14.00	A61K0039-395
4	278	168	16.92	C07K0016-18
5	261	118	11.88	C12Q0001-68
6	245	167	16.82	C07H0021-00
7	241	123	12.39	C12N0015-09
8	210	154	15.51	C07H0021-04
9	205	93	9.37	A61P0035-00
10	201	119	11.98	C12P0021-02

Immunoglobulins for treatment of viruses

Search in the licensing field to find opportunities for partnership or licensing in pharmaceutical databases

L5 ANSWER 1 OF 43 IMSRESEARCH COPYRIGHT 2007 IMSWORLD on STN

AN 2006:1181 IMSRESEARCH
SO R&D Focus, (21 Aug 2006)

STA New Drug

CN 1-alpha-hydroxy-vitamin D5 analogues, Marillion

STR STRUCTURE DIAGRAM IS NOT AVAILABLE

CC N7X All Other CNS Drugs; A7E Intestinal Anti-Inflammatory Agents; M1C Specific Antirheumatic Agents; A10X Other Drugs Used in Diabetes; H4V Other Hormones and Preparations with Similar Actions; D5B Systemic Antipsoriasis and Similar Products

CT Indication: psoriasis; osteoporosis; hyperparathyroidism; diabetes; Crohn disease; multiple sclerosis; arthritis
Pharmacology: vitamin D analogue

HDP Preclinical (20)

LI Marillion is developing 1-alpha-hydroxy-vitamin D5 analogues for the potential treatment of psoriasis, osteoporosis, secondary hyperparathyroidism, diabetes, Crohn's disease, multiple sclerosis and arthritis. Discovery stage research is ongoing in the USA, Marillion's CEO, Zahed Subhan, reported in a presentation at the 11th Annual World Congress of Drug Discovery Technology and Development, 7-10 August 2006, Boston, USA. The program is available for partnering.

Search in legal status fields to find similar information in patent databases

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L10 ANSWER 3 OF 9 INPADOCDB COPYRIGHT 2009 EPO/FIZ KA on STM
PA ERNST-MORITZ-ARNDT-UNIVERSITAET GREIFSWALD
TI Free radical scavengers for food supplements, osteoporosis treatment,
plant strengtheners, cosmetics and pharmaceuticals contain terrestrial
fungus extract, microalgal biomass and fungal biopolymer from
Basidiomycetes.
Nahrungsergaenzungsmittel mit verbesserten antioxidativen Eigenschaften.
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LEGAL STATUS HIT
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AN 52441771 INPADOCDB
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20070215 DE8122
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NONBINDING INTEREST IN GRANTING LICENSES DECLARED
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LIC Licensing
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200707.....20070215
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Summary:

- In addition to traditional business databases, technology-specific databases can also provide valuable and well-focused information to help answer business-oriented questions.
- Unique indexing and search features provide additional access points and precise retrieval.
- Many tools are available to help extract and visualize information in order to support business decision making.