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SPRIEVODCA DATABÁZAMI

Chimica (Engineering Village)



Tento projekt je realizovaný na základe podpory operačného programu
Výskum a vývoj financovaného z Európskeho fondu regionálneho rozvoja

Táto publikácia bola vytvorená realizáciou projektu Centrum poznatkovej organizácie duševného vlastníctva, ITMS 26220220054 na základe podpory operačného programu Výskum a vývoj financovaného z Európskeho fondu regionálneho rozvoja.

Manuál je súčasťou kolekcie manuálov a sprievodcov databázami zameranej na oblasť duševného vlastníctva.

Náplň kolekcie:

Manuál základných pojmov z oblasti duševného vlastníctva

Manuál na podanie patentovej prihlášky

Manuál patentovej legislatívy

Zoznam patentovej literatúry v akademickej knižnici a prehľad voľne dostupných patentových databáz

Sprievodca databázami

Engineering Village

Chimica

Chemical Business NewsBase

EnCompassLIT

EI Patents

Referex

SAGE Journals Online

Engineering and Computing, Materials Science, Technology

Information Science and Marketing

Intellectual Property, Psychology and Sociology

Management and Organisation Studies, Education

Research Methods, Methodology and Evaluation

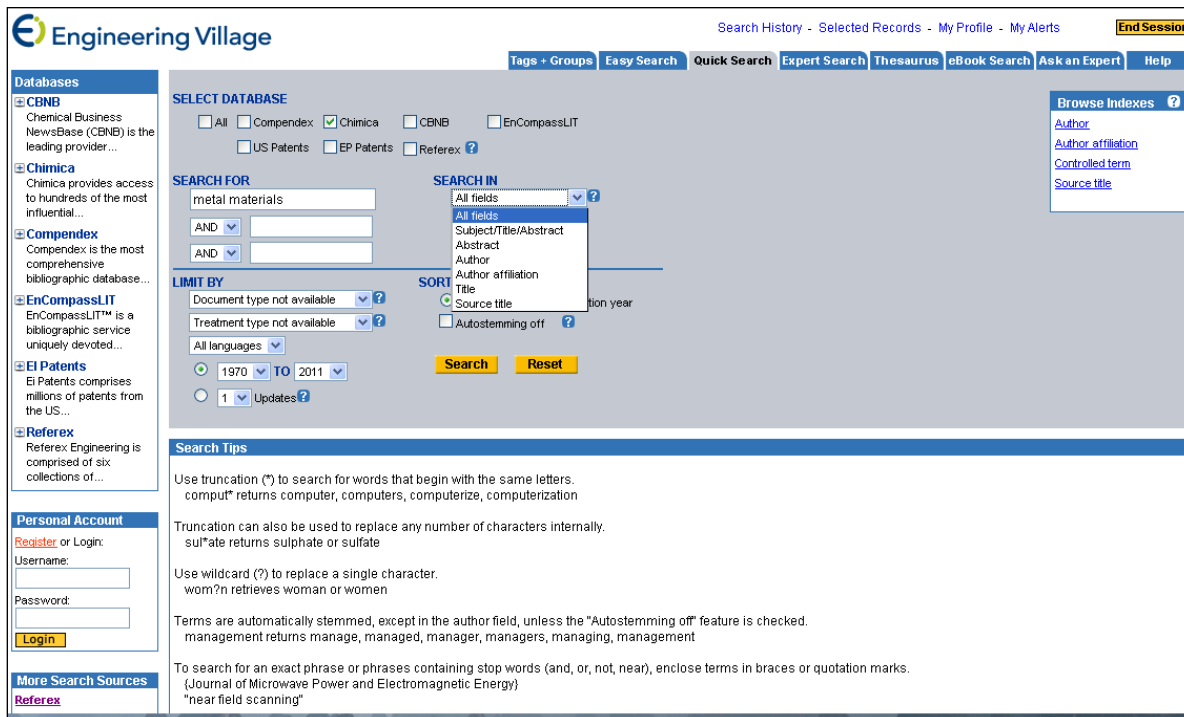
Chimica

Chimica poskytuje prístup k stovkám najvplyvnejších medzinárodných časopisov. Sú zamerané najmä na chémiu a chemické inžinierstvo, aplikovanú a analytickú chémiu, fyzikálnu chémiu, zdravie a bezpečnosť, organickú a anorganickú chémiu a vedy o materiáloch.

Rýchle vyhľadávanie

1. krok

V rámci rýchleho vyhľadávania je možné heslo vyhľadávať v poliach: abstrakt, autor, afiliácia, názov, zdrojový titul, predmet/názov/abstrakt alebo vo všetkých poliach naraz. Dosiahnutie požadovaného výsledku je možné upresniť o jazyk (v ponuke sú angličtina, čínština, francúzština, nemčina, taliančina, japončina, ruština a španielčina) a o roky vydania publikácie.



The screenshot displays the Engineering Village search interface. At the top, there are navigation links: Search History, Selected Records, My Profile, My Alerts, and End Session. Below this is a menu with options: Tags + Groups, Easy Search, Quick Search, Expert Search, Thesaurus, eBook Search, Ask an Expert, and Help.

The main search area is titled "SELECT DATABASE" and includes checkboxes for "All", "Compendex", "Chimica" (checked), "CBNB", "EnCompassLIT", "US Patents", "EP Patents", and "Referex". The "SEARCH FOR" field contains "metal materials". The "SEARCH IN" dropdown menu is open, showing options: "All fields", "Subject/Title/Abstract", "Abstract", "Author", "Author affiliation", "Title", "Source title", and "Autostemming off".

The "LIMIT BY" section includes dropdowns for "Document type not available", "Treatment type not available", and "All languages". The "SORT" section includes "1970 TO 2011" and "1 Updates". There are "Search" and "Reset" buttons.

On the left, there is a "Databases" sidebar with descriptions for CBNB, Chimica, Compendex, EnCompassLIT, Ei Patents, and Referex. Below this is a "Personal Account" section with "Register or Login" and "Username:" and "Password:" fields, and a "Login" button. At the bottom left is a "More Search Sources" section with a "Referex" link.

On the right, there is a "Browse Indexes" section with links for "Author", "Author affiliation", "Controlled term", and "Source title".

At the bottom, there is a "Search Tips" section with the following text:

- Use truncation (*) to search for words that begin with the same letters. comput* returns computer, computers, computerize, computerization
- Truncation can also be used to replace any number of characters internally. sul*ate returns sulphate or sulfate
- Use wildcard (?) to replace a single character. wom?n retrieves woman or women
- Terms are automatically stemmed, except in the author field, unless the "Autostemming off" feature is checked. management returns manage, managed, manager, managers, managing, management
- To search for an exact phrase or phrases containing stop words (and, or, not, near), enclose terms in braces or quotation marks. (Journal of Microwave Power and Electromagnetic Energy) "near field scanning"

2. krok

Pri zadaných kritériách vyhľadávania: názov: metal materials
 vyhľadávacie pole: titul
 jazyk: angličtina
 roky 2010 – 2011
 zoradený podľa: roky

Databáza vyhľadala 119 záznamov. Tie je možné ďalej zúžiť podľa ponuky na pravej strane, kde môžeme bližšie špecifikovať ďalšie kritériá, ako sú autor, afiliácia, heslá, krajina, typ dokumentu, rok vydania, zdrojový titul alebo vydavateľ.

3. krok

Po bližšom špecifikovaní nášho záujmu o články z Japonska sme sa dopracovali k počtu 9 záznamov.

The image shows a search interface with two main parts. On the left is a sidebar for refining search results, and on the right is the main search results page.

Refinement Sidebar (Left):

- Country:**
 - China (21)
 - United States (13)
 - United Kingdom (11)
 - France (11)
 - Japan (9)
 - Germany (9)
 - Spain (7)
 - Russia (6)
 - Italy (6)
 - Korea, Republic Of (5)
- Document type:**
 - Journal article (106)

Main Search Results Page (Right):

Results Manager: Select all on page - Select range: [] to [] - Clear all on page - Clear all selections

Choose format: Citation Abstract Detailed record Clear selected records on new search

Search Results: 9 records in Chimica for 2010-2011

Filters: (metal materials) WN ID, English only (japan) WN CO

Sort by: Relevance Date Author Source

Search Results List:

- 1. Characterization of microwave effects on metal-oxide materials: Zinc oxide and titanium dioxide**
 Horikoshi, Satoshi (Research Institute for Science and Technology, Tokyo University of Science, 2641 Yamazaki, Noda, Chiba 278-8510, Japan); Matsubara, Akihiro; Takayama, Sadatsugu; Sato, Motoyasu; Sakai, Futoshi; Kajitani, Masatsugu; Abe, Masahiko; Serpone, Nick **Source:** *Applied Catalysis B: Environmental*, v 99, n 3-4, p 490-495, December 2010
 Database: Chimica
[Abstract](#) - [Detailed](#) - [Full-text](#)
- 2. Activation of ammonia borane hybridized with alkaline-metal hydrides: A low-temperature and high-purity hydrogen generation material**
 Zhano, Yu (Institute for Advanced Materials Research, Hiroshima University, 1-3-1 Kagamiyama, Higashi-Hiroshima 739-8530, Japan); Shimoda, Keiji; Ichikawa, Takayuki; Kojima, Yoshisugu **Source:** *Journal of Physical Chemistry C*, v 114, n 34, p 14662-14664, September 2, 2010
 Database: Chimica
[Abstract](#) - [Detailed](#) - [Full-text](#)
- 3. Mechanical properties of metallic closed cellular materials containing polymer fabricated by polymer penetration**
 Kishimoto, Satoshi (National Institute for Materials Science, 1-2-1, Sengen, Tsukuba, Ibaraki 305-0047, Japan); Shimizu, Toru; Yin, Fuxing; Naito, Kimiyoshi; Tanaka, Yoshihisa **Source:** *Materials Science Forum*, v 654-656, p 2628-2631, 2010, *PRISM7*
 Database: Chimica
[Abstract](#) - [Detailed](#) - [Full-text](#)
- 4. Improvement in heat resistance of NOx trap catalyst using Ti-Na binary metal oxide as NOx trap material**
 Izuka, Hidehiro (Hitachi, Ltd. Energy, Environmental Systems Laboratory, 7-2-1 Omika, Hitachi, Ibaraki, 319-1221, Japan); Kaneeda, Masato; Shinotsuka, Norihiro; Kuroda, Osamu; Hiroshiyama, Kazutoshi; Miyamoto, Akira **Source:** *Applied Catalysis B: Environmental*, v 95, n 3-4, p 320-326, April 6, 2010
 Database: Chimica
[Abstract](#) - [Detailed](#) - [Full-text](#)
- 5. Non-destructive separation of metal ions from wastewater containing excess aminonitrilotriacetate chelant in solution with an ion-selective immobilized**

4. krok

Články je možné prezerat' po jednom alebo si zakliknutím označíme pre nás relevantné články a tie necháme zobrazit' vo formáte citácie, abstraktu alebo detailu.

Vybrané záznamy vo formáte abstraktu

1 - 3 of 3 selected records

Remove 1. **Characterization of microwave effects on metal-oxide materials: Zinc oxide and titanium dioxide**
[Horikoshi, Satoshi](#)^{1,2}, [Matsubara, Akihiro](#)³, [Takayama, Sadatsugu](#)⁴, [Sato, Motoyasu](#)⁴, [Sakai, Futoshi](#)², [Kaitani, Masatsugu](#)², [Abe, Masahiko](#)¹, [Serpone, Nick](#)⁵ **Source:** *Applied Catalysis B: Environmental*, v 99, n 3-4, p 490-495, December 2010, **ISSN:** 09263373; **DOI:** 10.1016/j.apcatb.2009.07.028; **Publisher:** Elsevier

Author affiliation:
1 Research Institute for Science and Technology, Tokyo University of Science, 2641 Yamazaki, Noda, Chiba 278-8510, Japan
2 Department of Materials and Life Sciences, Faculty of Science and Technology, Sophia University, 7-1 Kioicho, Chiyoda, Tokyo 102-8554, Japan
3 Center for Advanced Metrology, Chubu University, 1200, Matsumoto, Kasugai, Aichi 487-8501, Japan
4 Coordination Research Center, National Institute for Fusion Science, 322-6 Oroshi, Toki, Gifu 509-5292, Japan
5 Gruppo Fotochimico, Dipartimento di Chimica Organica, Universita di Pavia, Via Taramelli 10, Pavia 27100, Italy

Abstract: The microwave specific effect(s) that can impact a microwave-assisted and photo-assisted reaction occurring on the surface of ZnO or TiO₂ (P-25) particles was (were) examined by comparing the process occurring under rich magnetic field conditions and under magnetic/electric field conditions. The features of the photo-assisted process in the presence of microwaves rich in a magnetic field (H) and an electric field (E) are described on the basis of (i) the degradation dynamics of 4-chlorophenol (4-CP) at ambient temperatures, (ii) the number of OH radicals produced, and (iii) the dielectric properties of the metal oxides (in pellet form). For ZnO, the photoactivity is enhanced by a microwave specific non-thermal (i.e. non-caloric) effect originating from the microwaves' magnetic field, but decreased by the thermal (i.e. caloric) factor originating from the microwaves' electric field. Contrary to ZnO, the photoactivity of TiO₂ (P-25) was enhanced by the synergistic effect between the magnetic and electric fields of the microwave radiation. Photocorrosion of ZnO in the aqueous dispersions was negligibly small (<0.05%) under UV, MW-EH, and UVMW-EH irradiation conditions. © 2009 Elsevier B.V. (27 refs.)

Controlled terms: [chemical reaction](#) - [electric field](#) - [free radical](#) - [magnetic field](#) - [microwave radiation](#) - [physics](#) - [radiofrequency radiation](#) - [titanium](#) - [titanium dioxide](#) - [zinc](#) - [zinc oxide](#)

CAS registry number(s): [titanium](#) - [7440-32-6](#) - [titanium dioxide](#) - [1317-70-0](#) - [1317-80-2](#) - [13463-67-7](#) (titanium oxide) - [51745-87-0](#) - [zinc](#) - [14378-32-6](#) - [7440-66-6](#) - [zinc oxide](#) - [1314-13-2](#) (zinc oxide)

Uncontrolled terms: [4-Chlorophenol](#) - [4-Chlorophenol \(4-CP\)](#) - [Ambient temperatures](#) - [Aqueous dispersions](#) - [Degradation dynamics](#) - [Field conditions](#) - [Irradiation conditions](#) - [Metal oxides](#) - [Metal-oxide](#) - [Microwave effects](#) - [Microwave radiations](#) - [Microwave-assisted](#) - [Nonthermal](#) - [OH radical](#) - [Photoactivity](#) - [Photocorrosion](#) - [Specific effects](#) - [Synergistic effect](#) - [TiO₂](#) - [ZnO](#)

Database: Chimica

Full-text and Local Holdings Links

[Full-text](#)

Remove 2. **Activation of ammonia borane hybridized with alkaline-metal hydrides: A low-temperature and high-purity hydrogen generation material**
[Zhana, Yu](#)¹, [Shimoda, Keiji](#)¹, [Ichikawa, Takavuki](#)¹, [Koima, Yoshitsugu](#)¹ **Source:** *Journal of Physical Chemistry C*, v 114, n 34, p 14662-14664, September 2, 2010, **ISSN:** 19327447, **E-ISSN:** 19327455, **DOI:** 10.1021/jp105483a; **Publisher:** American Chemical Society

Author affiliation:
1 Institute for Advanced Materials Research, Hiroshima University, 1-3-1 Kagamiyama, Higashi-Hiroshima 739-8530, Japan

Vybrané záznamy vo formáte citácie

Engineering Village

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Choose format: Citation Abstract Detailed record Clear selected records on new search

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Selected Records

1 - 3 of 3 selected records

Remove 1. **Characterization of microwave effects on metal-oxide materials: Zinc oxide and titanium dioxide**
[Horikoshi, Satoshi](#) (Research Institute for Science and Technology, Tokyo University of Science, 2641 Yamazaki, Noda, Chiba 278-8510, Japan), [Matsubara, Akihiro](#), [Takayama, Sadatsugu](#), [Sato, Motoyasu](#), [Sakai, Futoshi](#), [Kaitani, Masatsugu](#), [Abe, Masahiko](#), [Serpone, Nick](#) **Source:** *Applied Catalysis B: Environmental*, v 99, n 3-4, p 490-495, December 2010
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Database: Chimica
[Full-text](#)

Remove 3. **Mechanical properties of metallic closed cellular materials containing polymer fabricated by polymer penetration**
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Database: Chimica
[Full-text](#)

Vybrané záznamy v detailnom zobrazení

Selected Records
1 - 3 of 3 selected records

Remove 1 **Characterization of microwave effects on metal-oxide materials: Zinc oxide and titanium dioxide**
 Horikoshi, Satoshi^{1,2}, Matsubara, Akihiro³, Takayama, Sadatsugu⁴, Sato, Motovasu⁴, Sakai, Futoshi², Kaitani, Masatsugu², Abe, Masahiko¹, Serpone, Nick⁵ **Source:** *Applied Catalysis B: Environmental*, v 99, n 3-4, p 490-495, December 2010, ISSN: 09263373, DOI: 10.1016/j.apcatb.2009.07.026, **Publisher:** Elsevier

Author affiliation:
 1 Research Institute for Science and Technology, Tokyo University of Science, 2641 Yamazaki, Noda, Chiba 278-8510, Japan
 2 Department of Materials and Life Sciences, Faculty of Science and Technology, Sophia University, 7-1 Kioicho, Chiyoda, Tokyo 102-8554, Japan
 3 Center for Advanced Metrology, Chubu University, 1200, Matsumoto, Kasugai, Aichi 487-8501, Japan
 4 Coordination Research Center, National Institute for Fusion Science, 322-6 Oroshi, Toki, Gifu 509-5292, Japan
 5 Gruppo Fotochimico, Dipartimento di Chimica Organica, Università di Pavia, Via Taramelli 10, Pavia 27100, Italy

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Controlled terms: chemical reaction - electric field - free radical - magnetic field - microwave radiation - physics - radiofrequency radiation - titanium - titanium dioxide - zinc - zinc oxide

CAS registry number(s): titanium - 7440-32-6 - titanium dioxide - 1317-70-0 - 1317-80-2 - 13463-67-7 (titanium oxide) - 51745-87-0 - zinc - 14378-32-6 - 7440-66-6 - zinc oxide - 1314-13-2 (zinc oxide)

Uncontrolled terms: 4-Chlorophenol - 4-chlorophenol (4-cp) - Ambient temperatures - Aqueous dispersions - Degradation dynamics - Field conditions - Irradiation conditions - Metal oxides - Metal-oxide - Microwave effects - Microwave radiations - Microwave-assisted - Nonthermal - OH radical - Photoactivity - Photocorrosion - Specific effects - Synergistic effect - TiO₂ - ZnO

Database: Chimica

Full-text and Local Holdings Links

Full-text

Remove 2 **Activation of ammonia borane hybridized with alkaline metal hydrides: A low temperature and high-purity hydrogen generation material**
 Zhang, Yu¹, Shimoda, Keiji¹, Ichikawa, Takayuki¹, Kojima, Yoshitsugu¹ **Source:** *Journal of Physical Chemistry C*, v 114, n 34, p 14662-14664, September 2, 2010, ISSN: 19327447, E-ISSN: 19327455, DOI: 10.1021/jp105483q, **Publisher:** American Chemical Society

Author affiliation:
 1 Institute for Advanced Materials Research, Hiroshima University, 1-3-1 Kagamiyama, Higashi-Hiroshima 739-8530, Japan

5. krok

Fulltextové zobrazenie článku nás prepojí do niektorej z databáz, kde si môžeme článok prečítať a ďalej s ním pracovať.

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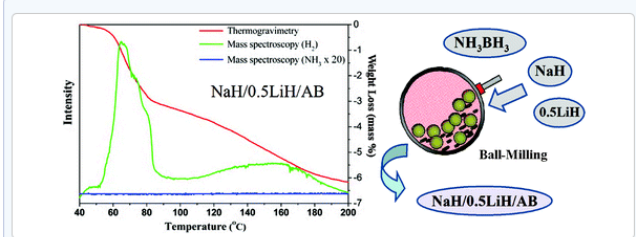
Activation of Ammonia Borane Hybridized with Alkaline-Metal Hydrides: A Low-Temperature and High-Purity Hydrogen Generation Material

Yu Zhang, Keiji Shimoda, Takayuki Ichikawa* and Yoshitsugu Kojima
 Institute for Advanced Materials Research, Hiroshima University, 1-3-1 Kagamiyama, Higashi-Hiroshima 739-8530, Japan

J. Phys. Chem. C, 2010, 114 (34), pp 14662-14664
 Publication Date (Web): August 5, 2010
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* To whom correspondence should be addressed. E-mail: tichi@hiroshima-u.ac.jp

Abstract



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Zhang, Yu

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The Journal of Physical Chemistry C

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 Keiji Shimoda
 Takayuki Ichikawa
 Yoshitsugu Kojima

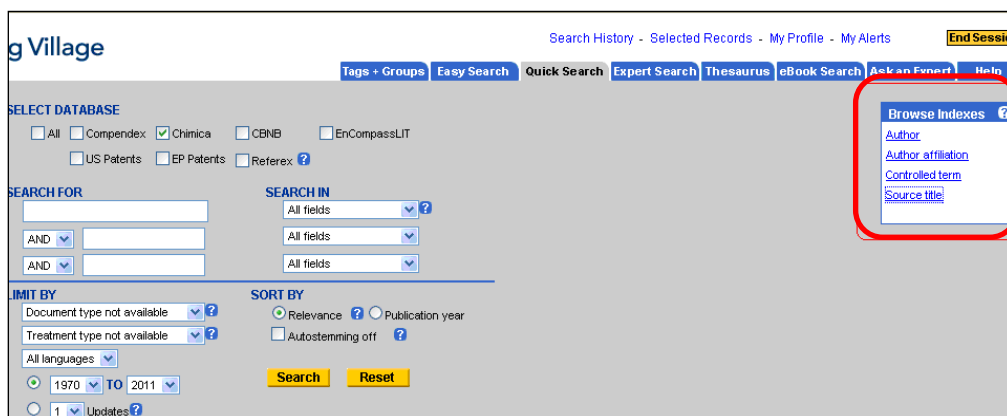
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Vyhľadávanie podľa indexov

1. krok

Okrem klasického vyhľadávania je v Chimice možnosť vyhľadávať podľa indexov. V ponuke sú indexy autorov, afiliácií, kontrolovaných termínov a zdrojových titulov zoradené podľa abecedy.



The screenshot displays the search interface of the gVillage database. At the top, there are navigation links: "Search History - Selected Records - My Profile - My Alerts" and an "End Session" button. Below this is a menu with options: "Tags + Groups", "Easy Search", "Quick Search", "Expert Search", "Thesaurus", "eBook Search", "Ask an Expert", and "Help".

The main search area is divided into several sections:

- SELECT DATABASE:** Includes checkboxes for "All", "Compendex", "Chimica" (checked), "CBNB", "EnCompassLIT", "US Patents", "EP Patents", and "Referex".
- SEARCH FOR:** Two input fields with "AND" operators between them.
- SEARCH IN:** Two dropdown menus, both set to "All fields".
- LIMIT BY:** Includes dropdowns for "Document type not available", "Treatment type not available", and "All languages". It also has radio buttons for "1970 TO 2011" (selected) and "1 Updates".
- SORT BY:** Includes radio buttons for "Relevance" (selected) and "Publication year", and a checkbox for "Autostemming off".

A red box highlights the "Browse Indexes" menu, which contains the following options:

- [Browse Indexes ?](#)
- [Author](#)
- [Author affiliation](#)
- [Controlled term](#)
- [Source title](#)

2. krok

Kliknutím napríklad na zdrojový titul sa otvorí ďalšie okno, z ktorého je možné vybrať akýkoľvek zdrojový dokument. Po zadaní sa zobrazí v hlavnej tabuľke. (Výber je možné kombinovať s ďalším indexom, napríklad autorským.) Po opätovnom možnom zúžení požiadaviek podľa rokov sa dostaneme k výsledku.

The screenshot displays the Engineering Village search interface. The main window is titled "Engineering Village - Browse Index - Lookup ST - Mozilla Firefox". The search bar contains "M" and the selected index is "Source title". Below the search bar, there are options to connect terms with "AND" or "OR". A list of source titles is displayed, including "MAANDSCHR.KINDERGENEESK.", "MACROMOLECULAR CHEMISTRY AND PHYSICS", "MACROMOLECULAR MATERIALS AND ENGINEERING", "MACROMOLECULAR RAPID COMMUNICATIONS", "MACROMOLECULAR SYMPOSIA", "MACROMOLECULAR THEORY AND SIMULATIONS", "MACROMOLECULES", "MAHARASHTRA MED.J.", "MANEDSSKR.PRAKT.LAGEGERN.", "MANUFACTURING CHEMIST", "MAR ENVIRON RES", "MARINE ENVIRONMENTAL RESEARCH", "MARINE POLLUTION BULLETIN", "MARSEILLE MED.", "MARYLAND STATE MEDICAL JOURNAL", "MASS SPECTROMETRY REVIEWS", "MASS.J.MENT.HLTH", "MATER RES BULL", and "MATERIA MEDICA POLONA". The "Source title" option is highlighted in the "Browse Indexes" sidebar.

3. krok

Naša požiadavka na periodikum Macromolecular theory and simulations z indexového vyhľadávača upresnená o roky 1988-2011 nás priviedla k počtu 666 záznamov. Cez tlačidlo full-text nás prepojí Chimica s databázou s plným článkom.

The screenshot displays the Wiley Online Library interface for the article "Conformational Behavior of Bottle-Brush Polyelectrolytes with Charged and Neutral Side Chains". The page includes a navigation breadcrumb trail: Home > Materials Science > Polymer Science & Technology General > Polymer Science & Technology > Polymer Science & Technology General > Journal Home > Vol 19 Issue 6 > Abstract. The journal title "Macromolecular Theory and Simulations" is prominently displayed. The article title is "Conformational Behavior of Bottle-Brush Polyelectrolytes with Charged and Neutral Side Chains" by Qianqian Cao, Chuncheng Zuo, Lujuan Li, and Nan Zhang. It was first published online on 9 JUN 2010. The article is available in Volume 19, Issue 6, pages 298-308, published on August 25, 2010. The page offers various tools such as "Get New Content Alerts", "Get RSS feed", "Save to My Profile", and "Get Sample Copy". There is also a search bar and an "ARTICLE TOOLS" section with options like "Get PDF (603K)", "Save to My Profile", "E-mail Link to this Article", "Export Citation for this Article", and "Request Permissions". The abstract text is partially visible at the bottom of the page.

Vo vyhľadávaní v databáze Chimica je možné kombinovať rýchle vyhľadávanie s indexovaným prehliadaním.

Literatúra:

- [1] Rešetová, K. – Prelovská, A. Navigácia v informačných zdrojoch.
Trnava: AlumniPress, 2010.
- [2] www.engineeringvillage.com

Spracoval: Slovenská technická univerzita
Materiálovotechnologická fakulta v Trnave
Odbor poznatkového manažmentu
2012

