MANAGING THE ACCESS TO THE SCIENTIFIC GREY LITERATURE THROUGH INTERNET AND FREE SOFTWARE

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OUTLINE

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Clara Lanza
Istituto di Chimica dei Composti OrganoMetallici del CNR
Area della Ricerca CNR di Pisa
Via G. Moruzzi, 1 - 56124 Pisa
Tel. +39 050 315 2557 Fax +39 050 315 2555
clara.lanza@iccom.cnr.it

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HARDWARE & SOFTWARE

HARDWARE: P.C. Intel Pentium 4, 3.2 GHz, 3.00 GB of RAM.

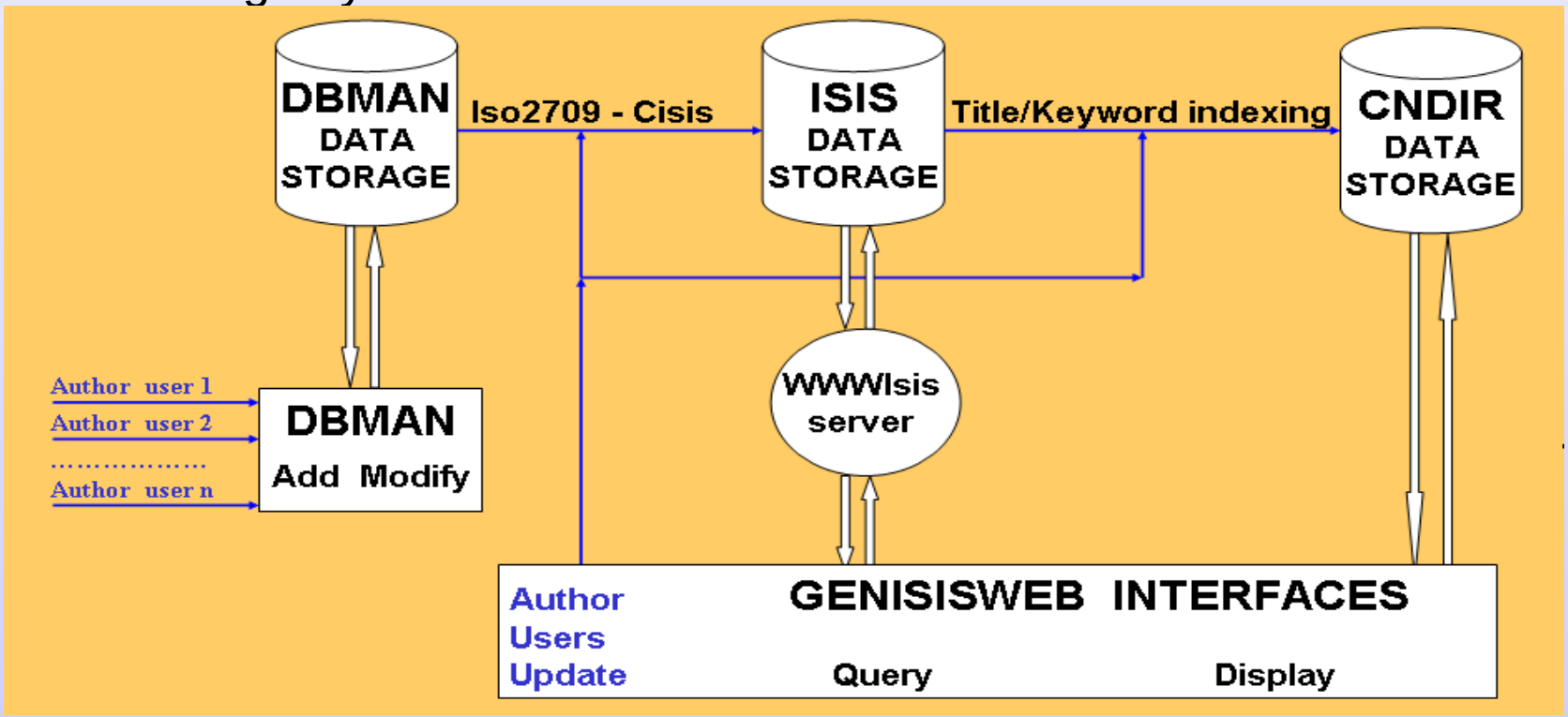
SOFTWARE: Microsoft Windows XP Prof. v. 2002 Service Pack 3
Apache/2.2 Win32 mod_perl/2.0.3 Perl/v5.8.8, cgi/1.1
DBMan v.2.05 Gossamer Threads Inc. 2000, Canada
Isearch-cgi 1.21 CNIDR 1994, USA
CISIS Interface v5.2b BIREME/PAHO 2006, Brasil
WWWIsis v.3.3 BIREME/PAHO 1999, Brasil
GenIsisWeb v.3.2.1 UNESCO, Paris, France

Free software downloadable at: http://library.ipcf.cnr.it/pubutil

clara.lanza@iccom.cnr.it

WORKFLOW OF GREY LITERATURE DOCUMENTS

DBMan software allows any Author to **add, view and change**, on-line, his **own** documents**. The system, in turn, creates the other two databases** that can be used by anyone on Internet for searching and viewing any document.



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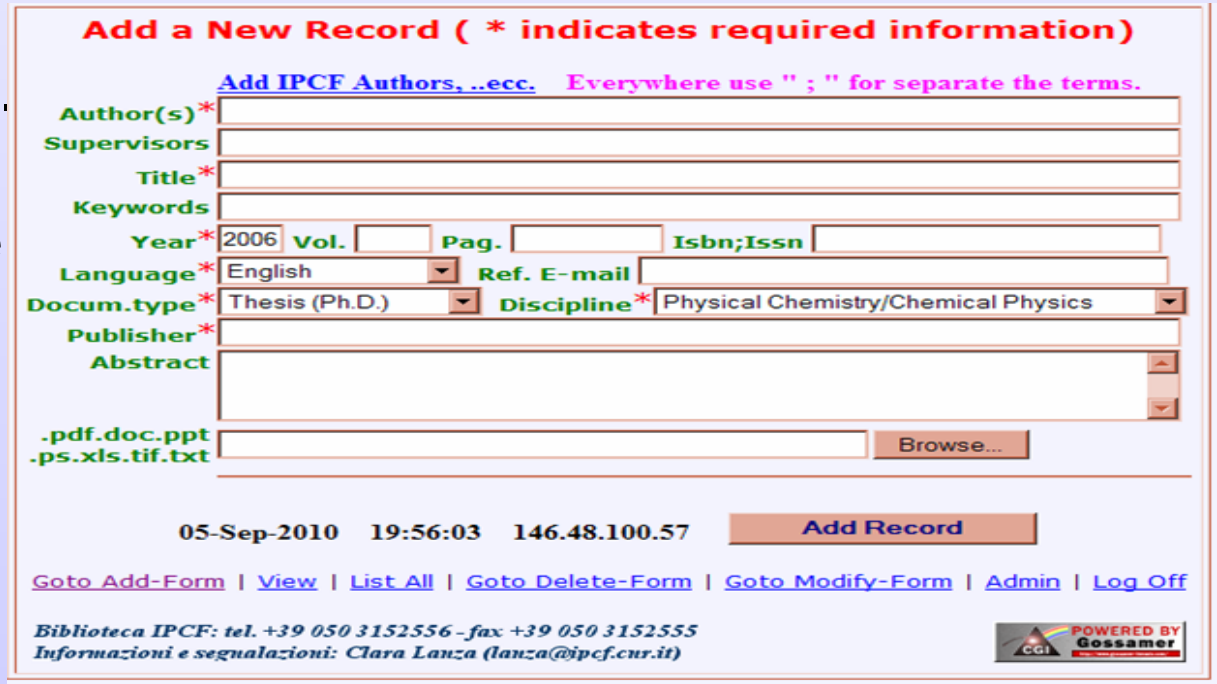
INPUT GREY LITERATURE DOCUMENTS (INTRANET)

A Popup Window supports the filling of Authors, Supervisors and Publishers fields.

DBMan on-line Add-Form, structured in fields, supports the opportunity of storing additional electronic files: .doc, .pdf, … etc.



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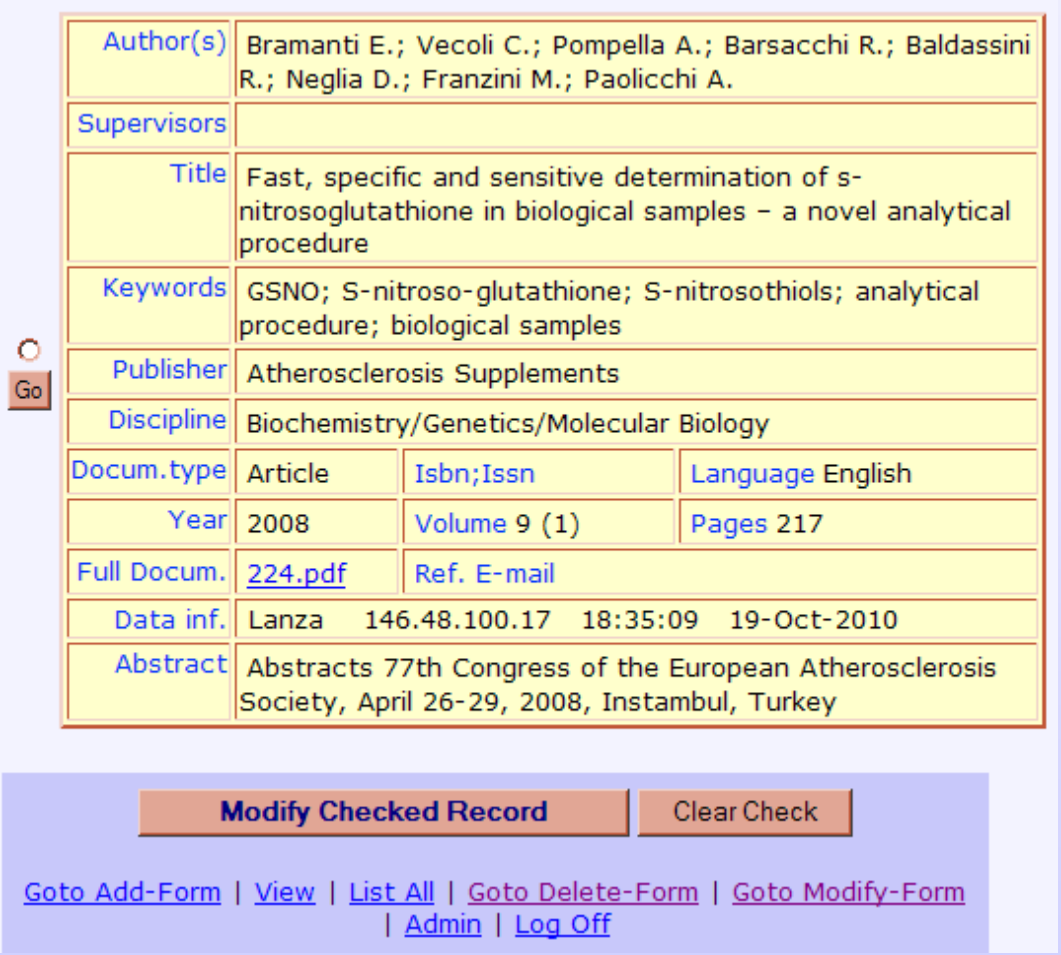
MODIFY GREY LITERATURE DOCUMENTS (INTRANET)

DBMan Modify Form allows Authors to modify, at any time, their records.
It also allows to update the attached file.

Software Security:
- User id / password
- file lock.



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REAL-TIME UPDATING OF THE CDS/ISIS DATABASE (INTRANET)

Apache/Pearl CGI scripts monitor the execution of three programs.

FANGORN: through a fields specification file, converts the new records in ISO-2709 format.

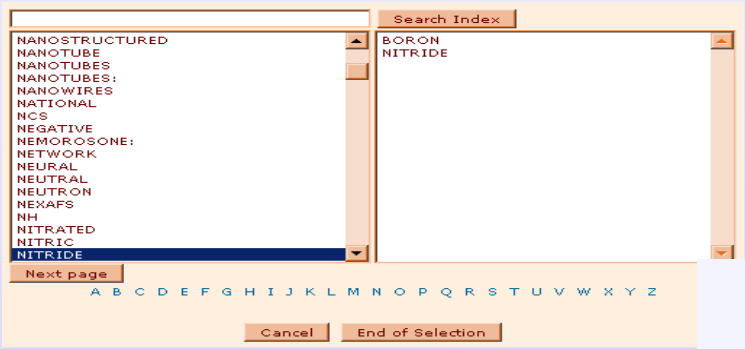
CISIS: adds ISO-2709 new records to Isis master file and executes a full inversion.

CNIDR: indexes every word of the title / keywords of the new records. This allows to quickly implement many sophisticated ranking orders.

clara.lanza@iccom.cnr.it

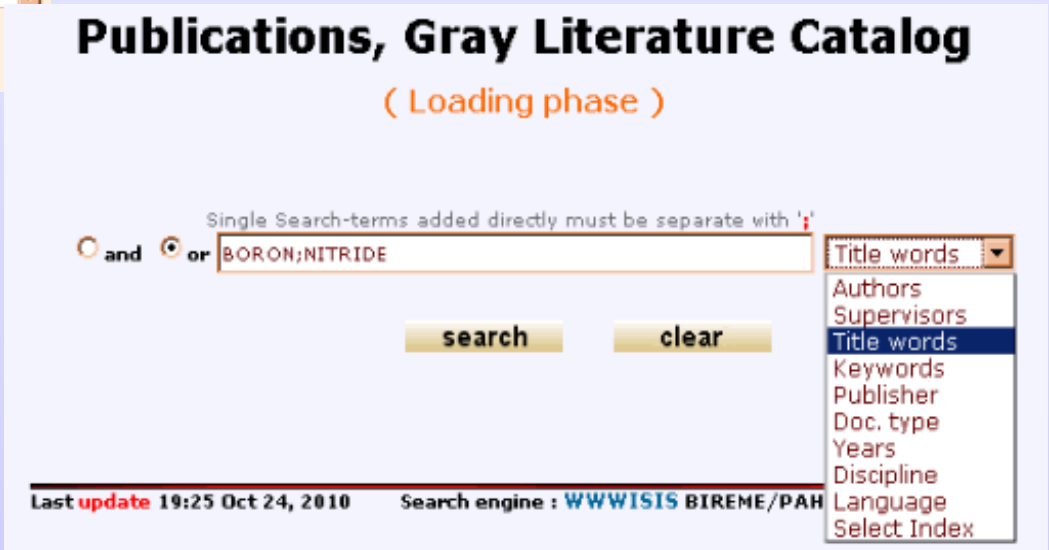
SEARCH DOCUMENTS ON THE CDS/ISIS DATABASE

WWWISIS - World Wide Web server for ISIS, supports CGI queries to CDS/ISIS database. These queries are made through many user friendly Web interfaces.



The Web interfaces have been made with the GenisisWeb software (available and free of charge on the UNESCO FTP site).

Each query can contain several terms taken from either one or more indexes. Results are approximate only when the query contains terms taken from more indexes.



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DISPLAY & NAVIGATE AMONG DOCUMENTS

2 Result(s) for : (Title words=BORON or NITRIDE)

1. Pulsed laser deposition of boron nitride thin films **Proceedings 2008** <**abstract**>
2. The characterization of boron sites in the glass structure of a calc-alkaline magma (Capraia Island, Italy) **Article (JCR) 2007** <**abstract**>

Back | New query | Display all | Print

GenIsisWeb allows both to download the files attached to the document (intranet) and to navigate Among documents thanks to hyperlinks Activated on some indexed fields.

Acacia, N., Fazio, E., Neri, F., Ossi, P.M., Trusso, S., Santo, N.
Pulsed laser deposition of boron nitride thin films
Radiation Effects and Defects in Solids Vol. 163 pp. 293-298 2008
Discipline: Physical Chemistry/Chemical Physics
KeyWords: BN films / Laser ablation / Film deposition
English Proceedings ISBN/ISSN: 1042-0150 <Abstract> <*Asks for paperback*>

Slejko, F.F., Petrini, R., Pizzanelli, S.
The characterization of boron sites in the glass structure of a calc-alkaline magma (Capraia Island, Italy)
Periodico di mineralogia Vol. 76(1) pp. 3-9 2007
Discipline: Physical Chemistry/Chemical Physics
English Article (JCR) ISBN/ISSN: 0369-8963 <Abstract> <*Asks for paperback*>

Back | Print | New query

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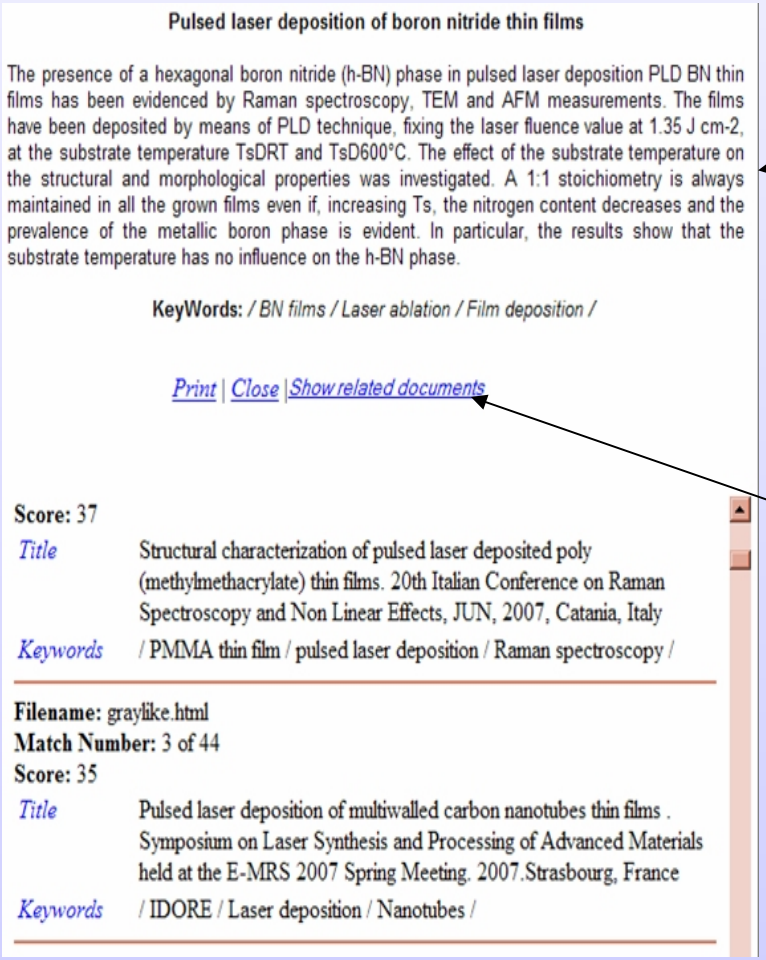
SHOW RELATED DOCUMENTS ON THE CDS/ISIS DATABASE



Pulsed laser deposition of boron nitride thin films

The presence of a hexagonal boron nitride (h-BN) phase in pulsed laser deposition PLD BN thin films has been evidenced by Raman spectroscopy, TEM and AFM measurements. The films have been deposited by means of PLD technique, fixing the laser fluence value at 1.35 J cm-2, at the substrate temperature TsDRT and TsD600°C. The effect of the substrate temperature on the structural and morphological properties was investigated. A 1:1 stoichiometry is always maintained in all the grown films even if, increasing Ts, the nitrogen content decreases and the prevalence of the metallic boron phase is evident. In particular, the results show that the substrate temperature has no influence on the h-BN phase.

KeyWords: / *BN films / Laser ablation / Film deposition /*

Print | *Close* | *Show related documents*

Score: 37

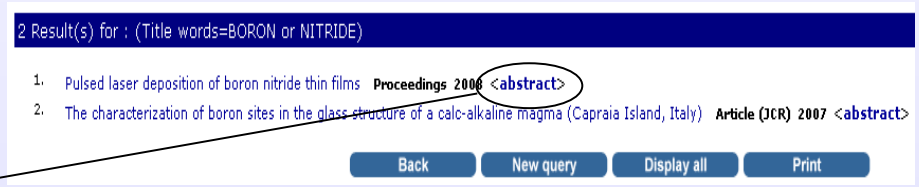
Title Structural characterization of pulsed laser deposited poly (methylmethacrylate) thin films. 20th Italian Conference on Raman Spectroscopy and Non Linear Effects, JUN, 2007, Catania, Italy

Keywords / PMMA thin film / pulsed laser deposition / Raman spectroscopy /

Filename: graylike.html
Match Number: 3 of 44
Score: 35

Title Pulsed laser deposition of multiwalled carbon nanotubes thin films . Symposium on Laser Synthesis and Processing of Advanced Materials held at the E-MRS 2007 Spring Meeting. 2007.Strasbourg, France

Keywords / IDORE / Laser deposition / Nanotubes /



When a user chooses to view the **abstract** of a document, using the database word-indexed **CNDIR**, he can also view all the documents related to it activating the link:

"**Show related documents**" .

CNDIR uses an algorithm of "closeness" thanks to which the related documents are ordered by a "relevance ranking", based on statistical analysis of word frequencies (G. Salton, 1983).

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CONCLUSIONS

Today, the scientific work of a researcher is, in part, done on a computer connected to the Internet, so the idea is to **facilitate and make efficient the online exchange** of researcher' scientific results with colleagues of the same Institute (**even anonymously** on the intranet)

In the intranet of the Institute is easy to share databases of information without the constraints of copy-write, credentials, etc.. Provided, however, that all the documentation is accessible in electronic form, including the **download of theses, technical reports, etc..** and that these databases are **easily and frequently updated**.

To do this we used different software, all free, that can be configured easily and freely. The system can provide a **synergistic online exchange of information** among researchers of the same Institute and **increase public transparency** of the Grey Literature of the Institute.

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