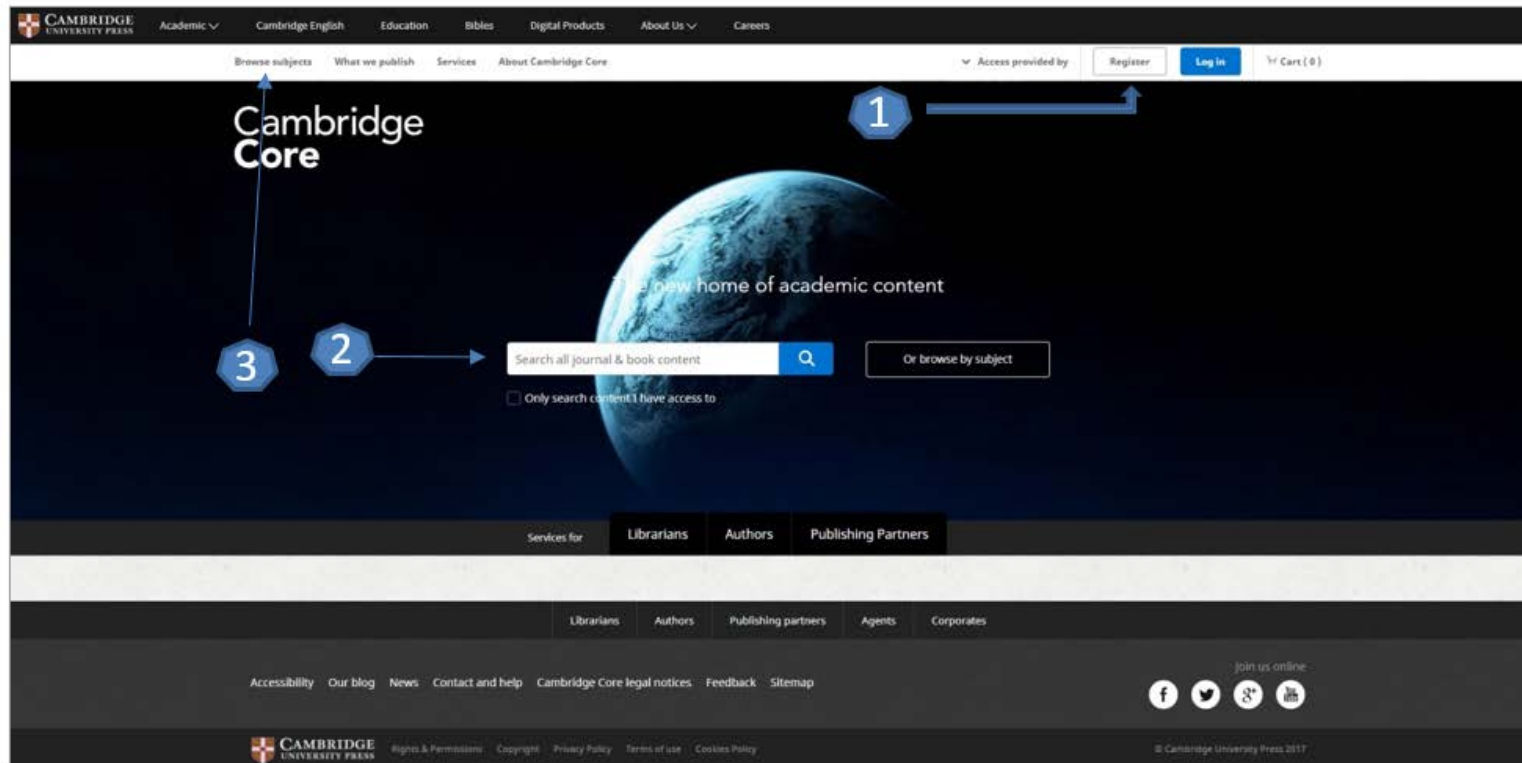


# Ghid de utilizare



# Pagina principală

- ❑ Înregistrarea și utilizarea unui cont personal 1.
- ❑ Motorul de căutare în modul de bază, cu posibilitatea de a selecta modul de căutare avansată 2.
- ❑ Accesarea listelor 3: lista de titluri, lista de domenii, lista de reviste favorite etc.



# Căutare avansată

**Advanced Search**

Enter your search criteria below, using the drop down boxes to define your search or run one of [My Saved/Recent Searches](#). Empty "Search for" fields will not be included in the search. [Click here for help.](#)

Search All Journal and Book Content  Search All Journals Only

**Search on**      **Search for**

Anywhere            AND

Full Text            AND

Article or Chapter TI            AND

Author or Editor            AND

Abstract     

Search exact phrase  
 Search Open Access articles only

**Search**   **Reset**

**By Date**

From: January      1700

To: December      2016

**Fields to Be Returned**

- Article Title
- Article Subtitle
- Author(s)
- Journal Title
- Volume No.
- Issue No.
- Issue Date
- DOI
- Publication Date

**Search**   **Reset**

avansată

- ❑ Motorul de căutare avansată permite căutarea de documente, în funcție de diferite criterii. Pentru început, se vor completa câmpurile destinate cuvintelor-cheie, se vor crea legături între ele prin operatori logici, iar apoi se va selecta unul dintre criteriile după care se va face căutarea.
- ❑ Pentru a rafina căutarea, se vor selecta revistele sau domeniile din care să facă parte cuvintele-cheie.
- ❑ De asemenea, căutarea avansată permite selectarea unui interval temporal sau a tipului de document, precum și alte criterii.

# Lista de rezultate

- ❑ Rezultatele căutării pot fi sortate după diferite criterii 1.
- ❑ Rezultatele obținute se pot salva 2.
- ❑ Prin selectarea articolelor de interes, se pot exporta totodată și referințele aferente lor 3.

The screenshot displays the Cambridge Core search results interface. At the top, the Cambridge University Press logo and navigation menu are visible. The search bar contains the text 'nano systems'. The results page shows 154631 results, sorted by Relevance. A 'Save search' button is highlighted with a '2' in a hexagon. The search results are listed in a table format, with the first three entries highlighted by a '3' in a hexagon. The first entry is 'Modelling Carbon Nanotube Based Bio-Nano Systems: A Molecular Dynamics Study' by Yong Kong, Daixiang Cui, Cengzi S. Ozkan, and Huajian Gao. The second entry is '20 - Quantum optical effects in nano-mechanical systems' by Girish S. Agarwal. The third entry is 'Modular Nano-Positioning System for Phase Plates' by S.H. Irwin and P. Kurth. The left sidebar contains a 'Refine search' section with a search box containing 'nano systems' and a '1' in a hexagon. Below this are filters for 'Access' (Only show content I have access to, Only show open access), 'Content type' (Articles, Chapters, Books, Journals, Series), 'Author' (e.g. John Smith), and 'Publication date' (Forthcoming, Last week, Last month, Last 3 months, Last 6 months).

# Pagina dedicată articolului

The screenshot shows a journal article page with the following details:

- Article Metrics:** Volume 8, Issue 502, August 2002, pp. 1106-1107. DOI: <https://doi.org/10.1017/S1431927602103606>. Published online: 01 November 2002.
- Title:** A New High-Resolution Electron Microscope with Easy Operation System for Nano Analysis
- Authors:** M. Matsushita<sup>[\*]</sup>, M. Ohsaki<sup>[\*]</sup>, Y. Kondo<sup>[\*]</sup>, M. Naruse<sup>[\*]</sup>, T. Honda<sup>[\*]</sup> and M. Kersker<sup>[\*\*]</sup>
- Abstract:** In recent years, circuit integration and density of semiconductor devices are rapidly increased by the advance of manufacturing technology. SEM is in a common wide use for the evaluation of semiconductor processes in the product fabrication. However, the observation by using SEM has become gradually difficult because of smaller design rules. Accordingly, a new high-resolution electron microscope having the functions of TEM, STEM and SE (Secondary Electron) image is required. It is possible to easily observe for the high-resolution image by using TEM function in comparison with using STEM function. Moreover, the operation should be easy, and the result of observation and analysis should be as rapid and accurate as possible. The JEM-2500SE Nano analysis electron microscope has been developed in order to satisfy such requirements. Figure 1 shows an outer view of the JEM-2500SE. It is an electron microscope of accelerating voltage 200kV with Schotky type field emission electron gun. Specifications of JEM-2500SE are shown in Table 1. The advantages of this new microscope are described in the following.
  - 1. Easy operation:** BF (Bright Field) STEM image, DF (Dark Field) STEM image, SE image, TEM image and diffraction pattern are observed by one touch switch operation on a Windows® based personal computer controlled LCD (liquid crystal display) monitor in a bright room. An example screen of GUI (Graphical User Interface) shows in Fig. 2. All the images and the pattern can be observed easily by using the simplified operation panel (Fig. 3). Besides, the images and pattern are recorded in a digital image format, so that direct measurement of length, image processing and image transfer to other computers are possible. No dark room is required because of photo film-less operation.
  - 2. High resolution observation:** Although the high sensitivity analysis is possible, high-resolution images can be observed: 0.14nm for TEM lattice image, 0.2nm for STEM lattice image, and 1.0nm for SE point image resolution have been achieved. Figure 4 shows a TEM image of a gold single crystal, proving 0.14nm of line image resolution.
  - 3. High sensitivity elemental analysis function:** EDS (Energy Dispersive X-ray Spectroscopy) detector with 0.3sr of solid angle and 25° of take-off angle is prepared as the option equipment. It

De pe pagina de rezultate, printr-un **click** pe titlul unui articol, se va ajunge la pagina dedicată acestuia.

- Accesul la articolul integral, în format PDF 1.
- Exportul referinței, în format BibTEX, Endnote, RefWorks 2.
- Exportul articolului către Kindle, Google Drive sau DropBox 3.

# Creare cont personal

- Pentru a beneficia de posibilitatea salvării întregului parcurs de căutare sau de activarea unei alerte de înștiințare despre apariția unui nou articol corespunzător ultimelor filtre de analiză selectate, trebuie activat un cont personal, din tab-ul „Register” 1. La apariția casetei 2, se completează formularul. La finalul formularului se apasă tab-ul „Register” și trebuie verificat e-mail-ul declarat, pentru confirmarea adresei. După confirmare, contul devine activ 3.



This screenshot shows the "Register" form. The title "Register" is at the top left, with a black hexagon containing the number "2" next to it. The form contains several input fields: "Title" (a dropdown menu), "Country\*" (a dropdown menu), "First name\*" (text input), "Organisation\*" (text input with a "No affiliation" checkbox), "Last name\*" (text input), "Password\*" (text input), "Email\*" (text input), "Confirm password\*" (text input), "ORCID ID (if applicable)" (text input with a help icon), and "CAPTCHA\*" (a green button that says "Click or touch the Tree"). At the bottom, there are two checkboxes: "By creating your account you agree to our Terms of use and confirm that you are at least 16 years of age." and "Please keep me informed by email about relevant Cambridge publishing, news and special offers." Below the checkboxes are "Cancel" and "Register" buttons.

