

## CONDUCTING A SEARCH

### Browse indexes for selected fields

**TASK:** Use look-up links to search and browse indexes of defined values in some fields such as Author, Subject, and Publication title in Advanced and Command Line Search. In Advanced Search Look up options appear following the selection of specified fields in the fields drop list.

<p>1. In a search for solar energy innovation in SciSearch® – a Cited Reference Cited Reference Science Database enter keywords in the top query row. Then leave the second row blank and click the fields drop list. Choose <b>Subjects – SU</b>.</p>	
<p>2. The <b>Subjects</b> field provides a link to <b>Look up Subjects</b>.</p>	
<p>3. Enter a term with the radio button for <b>Begins with</b> checked. Enter as much of the term as you wish, thinking in terms of variant word endings.</p> <p>Click <b>Find</b>. Indexed terms appear with check boxes that you can check to add Subjects to your search.</p>	

4. Try a phrase with a hyphen. When you check off term(s) that best serve your purposes the dialog box shows how many terms you have selected to add to your search.

Later you will click **view** to see the terms you selected.

The screenshot shows the 'Look up Subjects' dialog box. The search input field contains 'solar-energy'. Below the input field, the 'Contains' radio button is selected. A list of search results is displayed, with 'solar-energy' checked. A message at the top of the list states 'You've selected 2 subjects to add view'. The background shows a search interface with 'solar energy innovation' in the search bar.

5. Continue looking up and choosing more terms to add to your search.

*Note:* When you click the radio button for **Contains**, the display shows indexing that includes your term anywhere in the phrase. This can help you to surface items you hadn't considered.

The screenshot shows the 'Look up Subjects' dialog box. The search input field contains 'performance'. The 'Contains' radio button is selected. A list of search results is displayed, including 'absorption chiller performance', 'absorption performance', 'academic-performance', 'acoustic attenuation performance', 'activity performance', and 'adult performance'. A message at the top of the list states 'You've selected 3 subjects to add view'. The background shows a search interface with 'performance' in the search bar.

6. Now try it with **Begins with**.

The screenshot shows the 'Look up Subjects' dialog box. The search input field contains 'performance'. The 'Begins with' radio button is selected. A list of search results is displayed, including 'performance', 'performance ac drives', 'performance adaptations', 'performance additives', 'performance adsorption chromatography', and 'performance advanced tokamak'. A message at the top of the list states 'You've selected 4 subjects to add view'. The background shows a search interface with 'performance' in the search bar.

7. Continue browsing and selecting Subject terms. Click [view](#) to see your selected Subjects. View toggles with [hide](#).

8. Click **Add to search**.

Enter a name.

efficiency [Find](#)

Contains  Begins with

All 0-9 A-C D-F G-I J-L M-O P-R S-U V-Z

Combine terms with:  OR  AND

[Add to search](#)

◀ Previous 100 Next 21 ▶

You've selected 6 subjects to add [hide](#)

solar energies  
solar-energy  
power  
performance  
energy  
efficiency

efficiency  
 efficiency 1st  
 efficiency 4-wave sum  
 efficiency active-clamp  
 efficiency analysis  
 efficiency assessment

◀ Previous 100 Next 21 ▶

[Add to search](#) [Close](#)

9. Row two now has the Subject terms you chose qualified to the Subject field. Limit the search to records published within the last 12 months and click **Search**.

Q Searching: 1 database 0 Recent searches | 0 Selected items | My Research (Louise) | Exit

< All databases | Engineering & Technology databases Cost Estimate | Preferences | English | Help

ProQuest Dialog® Database SciSearch®: a Cited Reference Science Database  
Basic Search | Advanced | Command Line | Pricing

### Advanced Search

Look Up Citation

solar energy innovation in All fields + text

AND Exact("solar energies" OR "performance" OR "power" OR "efficiency" OR "solar-energy" OR "energy") in Subjects - SU

AND in All fields + text

Look Up Subjects

Preview result counts [Search](#) Clear form

Search options 0 Recent searches

Limit to:  Abstract included

Publication date: Last 12 months  
All dates  
Last 7 days  
Last 30 days  
Last 3 months  
Last 12 months

Updated:  Show less

Subject: Last 3 years On this date... After this date... Before this date... Specific date range... Look up Subjects

Author: Look up Authors

Author affiliation: Look up Author affiliation

Document type:  Select all

Search tips

- nurs\* finds up to 10 characters (e.g., nurse, nurses, nursing) with unlimited word variations. [Learn more](#)
- Use quotation marks (e.g., "DNA testing") to search for a phrase.
- diabetes NEAR/3 treatment: NEAR/n looks for documents that contain two search terms within a specified number of words.

10. The Results page appears with a display of your search strategy and you can browse titles or modify your search by using **Search within**.

Searching: 1 database | Recent searches | 0 Selected items | My Research (Louise) | Exit

< All databases | Engineering & Technology databases | Cost Estimate | Preferences | English | Help

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(solar energy innovation) AND su.Exact("solar energies" OR "performance" OR "power" OR "efficiency" OR "solar-energy" OR "energy")

Additional limits - Date: Last 12 months

110 Results \* Search within

0 Selected items [Clear]

Select 1-20 Brief view | Detailed view

1 **Energy and exergy performance investigation of transcritical CO<sub>2</sub>-based Rankine cycle powered by solar energy** Zhang XinRong; Li XiaoJuan. SCIENCE CHINA-TECHNOLOGICAL SCIENCES 55. 5: 1427-1436. SCIENCE PRESS. (May 2012)  
Found in: SciSearch®: a Cited Reference Science Database; 1990 to date (1990 - current)

2 **Open-source development of solar photovoltaic technology** Buienhuis, A. J.; Pearce, J. M.. ENERGY FOR SUSTAINABLE DEVELOPMENT 16. 3: 379-388. ELSEVIER SCIENCE BV. (Sep 2012)  
Found in: SciSearch®: a Cited Reference Science Database; 1990 to date (1990 - current)

3 **The future prospect of PV and CSP solar technologies: An expert elicitation survey** Bosetti, Valentina; Catenacci, Michela; Fiorese, Giulia; Verdolini, Elena. ENERGY POLICY 49: 308-317. ELSEVIER SCI LTD. (Oct 2012)  
Found in: SciSearch®: a Cited Reference Science Database; 1990 to date (1990 - current)

4 **A comprehensive review on solar cookers** Cuce, Erdem; Cuce, Pinar Mert. APPLIED ENERGY 102: 1399-1421. ELSEVIER SCI LTD. (Feb 2013)  
Found in: SciSearch®: a Cited Reference Science Database; 1990 to date (1990 - current)

5 **India's solar mission: A review** Shrimali, Gireesh; Rohra, Sunali. RENEWABLE & SUSTAINABLE ENERGY REVIEWS 16. 8: 6317-6332. PERGAMON-ELSEVIER SCIENCE LTD. (Oct 2012)  
Found in: SciSearch®: a Cited Reference Science Database; 1990 to date (1990 - current)

Sort results by: Relevance

Duplicate document settings: Duplicates are removed. Change database order. Include duplicates

Narrow results by: Author, Language, Document type, Publication title, Classification, Subject

11. Preview records for free by mousing over the **Preview** button and **select** the records you wish to keep to view, print, email or download.

12. Under **Narrow results** by you can browse ranked lists of authors, publication titles, classification terms and subject terms by clicking the plus signs next to the field names.

Click the plus sign next to **Subject** to see the number of retrieved records that contained the indexed terms you searched.

4 Selected items [Clear]

Select 1-20 Brief view | Detailed view

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6 **Abstract (summary)**  
The rise of solar photovoltaic (PV) technology as a driver of rural electrification in the developing world and a contributor to climate change mitigation suggests that innovations enhancing PV efficiency and scalability could make considerable strides in reducing both poverty and greenhouse gas emissions. The nearly global access to the solar resource coupled to innovation-driven decreases in the costs of PV provides a path for a renewable energy source to accelerate sustainable development. Open-source software development has proven to produce reliable and innovative computer code at lower costs than proprietary software through sharing development responsibility with a large community of invested individuals. Concepts of open-source design have been applied to other fields in an attempt to reap the same benefits realized within software development; however, applying open-source strategies to solar PV research is uncommon. This paper reviews and examines how open-source design can be utilized to catalyze rapid innovation in the PV industry. The results show how successful open design and development methods can be created and utilized by identifying business models that provide PV researchers, turnkey suppliers and solar PV module manufacturers with the opportunity to utilize open-source design principles...

7 **Subject** OPEN-SOURCE SOFTWARE; PATENT PROTECTION; CLIMATE-CHANGE; BUSINESS; SYSTEMS; CELLS; POWER; INNOVATION; ISSUES; ENERGY

8 **Subject** OPEN-SOURCE SOFTWARE; PATENT PROTECTION; CLIMATE-CHANGE; BUSINESS; SYSTEMS; CELLS; POWER; INNOVATION; ISSUES; ENERGY

Sort results by: Relevance

Duplicate document settings: Duplicates are removed. Change database order. Include duplicates

Narrow results by: Author, Language, Document type, Publication title, Classification, Subject: efficiency (52), performance (44), energy (18), solar-cells (13), films (10), More options...

Publication date: January 2012 - February 2013 (months)

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