



IEEE Xplore

USER SEARCHING GUIDE

1. Go to https://ieeexplore-ieee-org.ezproxy.uniten.edu.my/Xplore/dynhome.jsp?tag=1_ and log in through EZproxy using Student ID and password. (same as Brighthen and Wi-Fi access)



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2. User can narrow down their search by selecting a specific type of document.

The screenshot displays the IEEE Xplore website interface. At the top, there is a navigation bar with links for IEEE.org, IEEE Xplore, IEEE SA, IEEE Spectrum, and More Sites. On the right side of the navigation bar, there are links for Donate, Cart, Create Account, and Personal Sign In. Below the navigation bar, there is a header section with the IEEE Xplore logo, a search bar, and a dropdown menu for document types. The search bar contains the text "solar energy" and a search icon. The dropdown menu is open, showing a list of document types: All, Books, Conferences, Courses, Journals & Magazines, Standards, Authors, and Citations. The "All" option is currently selected. Below the search bar, there are buttons for "ADVANCED SEARCH" and "TOP SEARCHES". The main content area features a large banner with the text "Advancing Technology for Humanity" and "SEARCH 6,253,231 ITEMS". Below the banner, there is a section titled "IEEE Climate Change" with a description of IEEE's role in addressing climate change and a button to "Go to the Collection". At the bottom of the page, there is a "Featured Authors" section and a "Feedback" button.

IEEE Xplore® Browse ▾ My Settings ▾ Help ▾

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IEEE

Advancing Technology for Humanity

SEARCH 6,253,231 ITEMS

solar energy

ADVANCED SEARCH ▶ TOP SEARCHES +

IEEE Climate Change

As the world's largest organization of technical professionals, IEEE is uniquely positioned to help organize the world's engineers, scientists, and technical professionals in addressing the causes, mitigating impacts, and adapting to climate change.

Go to the Collection

Featured Authors

Feedback

3. Enter the keyword in the search bar.

The screenshot displays the IEEE Xplore website interface. At the top, there is a navigation bar with links for IEEE.org, IEEE Xplore, IEEE SA, IEEE Spectrum, and More Sites. On the right side of the navigation bar, there are links for Donate, Cart, Create Account, and Personal Sign In. Below the navigation bar, there is a dark blue header with the IEEE Xplore logo, navigation options (Browse, My Settings, Help), and a white box containing the University Tenaga Nasional logo and access information. The main content area features a large banner with the text "Advancing Technology for Humanity" and "SEARCH 6,253,231 ITEMS". A search bar is prominently displayed, containing the text "solar energy" and a magnifying glass icon, with a red rectangular box highlighting the search input area. Below the search bar are buttons for "ADVANCED SEARCH" and "TOP SEARCHES". At the bottom of the page, there is a section for "IEEE Climate Change Collection" with a description and a "Go to the Collection" button. The footer includes a "Featured Authors" section and a "Feedback" button.

IEEE.org | IEEE Xplore | IEEE SA | IEEE Spectrum | More Sites

Donate | Cart | Create Account | Personal Sign In

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IEEE

Advancing Technology for Humanity

SEARCH **6,253,231** ITEMS

All ▾ solar energy 🔍

ADVANCED SEARCH ▶ TOP SEARCHES +

IEEE Climate Change Collection

As the world's largest organization of technical professionals, IEEE is uniquely positioned to help organize the world's engineers, scientists, and technical professionals in addressing the causes, mitigating impacts, and adapting to climate change.

[Go to the Collection](#)

Featured Authors

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4. The search result will appear and user can refer to the total number available.

IEEE.org | IEEE Xplore | IEEE SA | IEEE Spectrum | More Sites Donate | Cart | Create Account | Personal Sign In

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All ADVANCED SEARCH

Search within results

Showing 1-25 of 73,931 results for **solar energy** ×

Conferences (61,388) Journals (10,794) Magazines (1,112) Books (408)

Early Access Articles (149) Standards (78) Courses (2)

Publications You May Be Interested In: Hide Related Publications ▾

Sunlight to Electricity
Prospects for Solar Energy
Conversion by Photovoltaics Book

Solar Energy: Advancements
and Challenges Book

International Conference on
Solar Energy and Building
(ICSoEB) Conference

5. On the left side, user can filter their search results according to their needs such as publication years and document type.

The screenshot displays a search results page with a sidebar on the left containing various filters. The sidebar is highlighted with a red border and includes the following sections:

- Show**
 - All Results
 - Subscribed Content ?
 - Open Access Only
- Year**
 - Range
 - Single Year
 - Input fields: 1931, 2024
 - Buttons: Clear, Apply
- Author** (dropdown)
- Affiliation** (dropdown)
- Publication Title** (dropdown)
- Publisher** (dropdown)
- Supplemental Items** (dropdown)
- Conference Location** (dropdown)
- Publication Topics** (dropdown)

The main content area shows three search results:

- Simulation and Evaluation of The Solar Energy Systems in The Public Buildings in The City of Tripoli-Libya : Mosques Sector**
Ibrahim H. Tawil; Mukhtar BenAbeid; Said Belhaj; Belgasim Sowid
2021 12th International Renewable Energy Congress (IREC)
Year: 2021 | Conference Paper | Publisher: IEEE
Options: Abstract, HTML, PDF, CC
- Research on Energy Storage Configuration Method Based on Wind and Solar Volatility**
Shi Xuewei; Shi Xuefang; Dong Wenqi; Zang Peng; Jia Hongyan; Wu Jinfang; Wang Yang
2020 10th International Conference on Power and Energy Systems (ICPES)
Year: 2020 | Conference Paper | Publisher: IEEE
Cited by: Papers (44)
Options: Abstract, HTML, PDF, CC
- Energy Payback Time (EPBT) and Energy Return on Energy Invested (EROI) of Perovskite Tandem Photovoltaic Solar Cells**
Ilke Celik; Adam B. Philips; Zhaoning Song; Yanfa Yan; Randy J. Ellingson; Michael J. Heben; Defne Apul
IEEE Journal of Photovoltaics
Year: 2018 | Volume: 8, Issue: 1 | Journal Article | Publisher: IEEE
Cited by: Papers (58)
Options: Abstract, HTML, PDF, CC

On the right side, there are two promotional banners:

- Supplement your engineering curriculum with new eBooks from IEEE** with a **LEARN MORE >** button.
- The IEEE Open Journal of Intelligent Transportation Systems has received its first Journal Impact Factor™** with a **Learn More** button.

At the bottom right, there is a **Feedback** button.

6. Click on any title of your interest to view. The unlocked symbol indicates that the document is available in full text. (not all titles have full-text access)

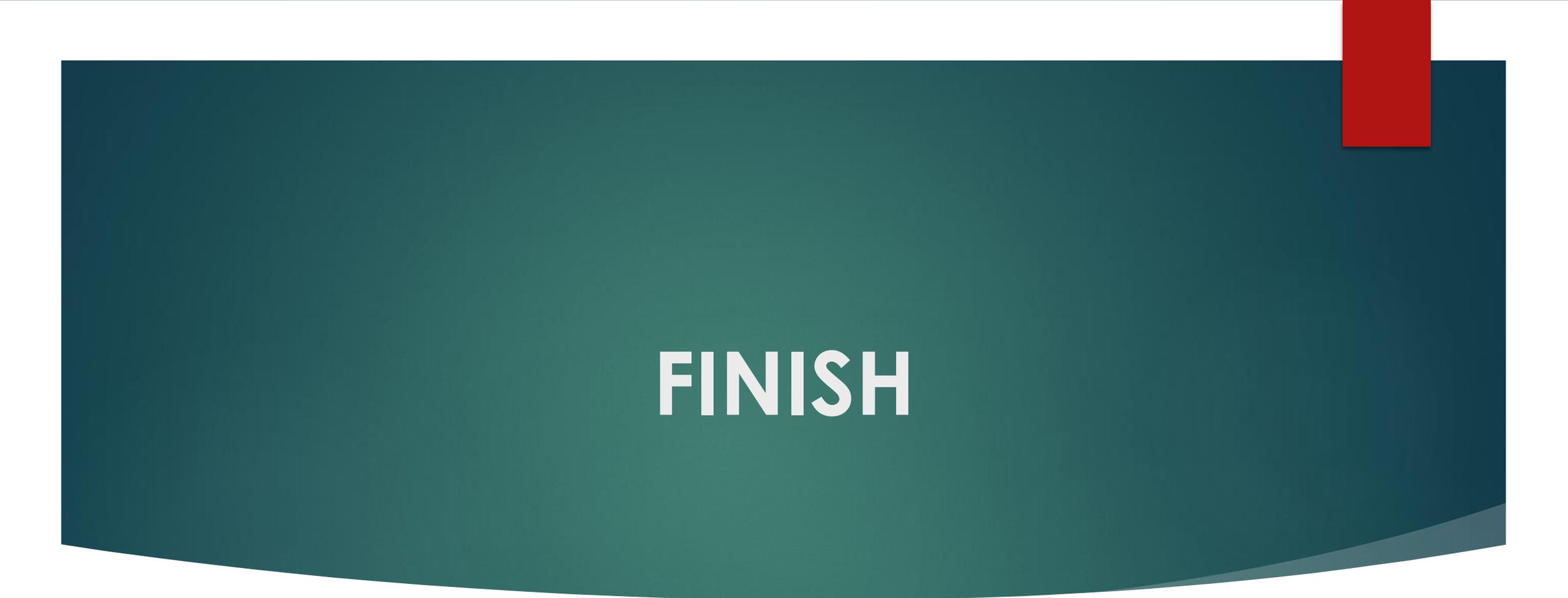
The screenshot shows a search results page with the following elements:

- Left Sidebar (Filters):**
 - Show:** All Results (selected), Subscribed Content, Open Access Only.
 - Year:** Range (selected) or Single Year. Range: 1931 to 2024. Buttons: Clear, Apply.
 - Author, Affiliation, Publication Title, Publisher, Supplemental Items, Conference Location, Publication Topics:** All dropdown menus are currently closed.
- Top Right:** Sort By: Relevance.
- Search Results:**
 - Simulation and Evaluation of The Solar Energy Systems in The Public Buildings in The City of Tripoli-Libya : Mosques Sector**
Ibrahim H. Tawil; Mukhtar BenAbeid; Said Belhaj; Belgasim Sowid
2021 12th International Renewable Energy Congress (IREC)
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Abstract | HTML | PDF | CC BY
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Ilke Celik; Adam B. Philips; Zhaoning Song; Yanfa Yan; Randy J. Ellingson; Michael J. Heben; Defne Apul
IEEE Journal of Photovoltaics
Year: 2018 | Volume: 8, Issue: 1 | Journal Article | Publisher: IEEE
Cited by: Papers (58)
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A red rectangular box highlights a vertical column of three green padlock icons, one next to each search result title, indicating that these documents are available in full text.

7. Click on the PDF file on top of the article to download and save the article in PDF format.

The screenshot shows the IEEE Xplore interface. At the top, there are navigation links for IEEE.org, IEEE Xplore, IEEE SA, IEEE Spectrum, and More Sites. On the right, there are links for Donate, Cart, Create Account, and Personal Sign In. The main header includes the IEEE Xplore logo, navigation menus (Browse, My Settings, Help), and a search bar with a magnifying glass icon. Below the header, the article title "Research on Energy Storage Configuration Method Based on Wind and Solar Volatility" is displayed. The publisher is listed as IEEE. There are buttons for "Cite This" and "PDF", with a red arrow pointing to the PDF button. The authors listed are Shi Xuewei, Shi Xuefang, Dong Wenqi, Zang Peng, Jia Hongyan, Wu Jinfang, and Wang Yang. There are statistics for 44 Cites in Papers and 7576 Full Text Views. The abstract section is visible, starting with "Abstract: Vigorously developing the new energy has become an important measure for our country's energy strategy adjustment and transformation of the power development mode. However, it provides significant challenges to the grid for their large-scale integration because of their random and volatile characteristics, such as wind power and photovoltaics. The introduction of energy storage devices can improve this situation effectively, to promote the large-scale application of new energy. Based on the historical wind and solar data of the National Wind and Solar Storage and Transportation Demonstration Project, this paper analyzes the 15-minute and 10-minute fluctuation characteristics of wind and solar power generation. It also studies the control method of energy storage system to improve the friendliness of wind and solar power generation, based on the control". On the right side, there is a promotional banner for the IEEE Open Journal of Instrumentation and Measurement, and a "More Like This" section with a link to "Battery Energy Storage Station (BESS)-Based Smoothing Control of Photovoltaic (PV) and Wind Power Generation Fluctuations".



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Thank You!