

Zotero - Reference Software Tool

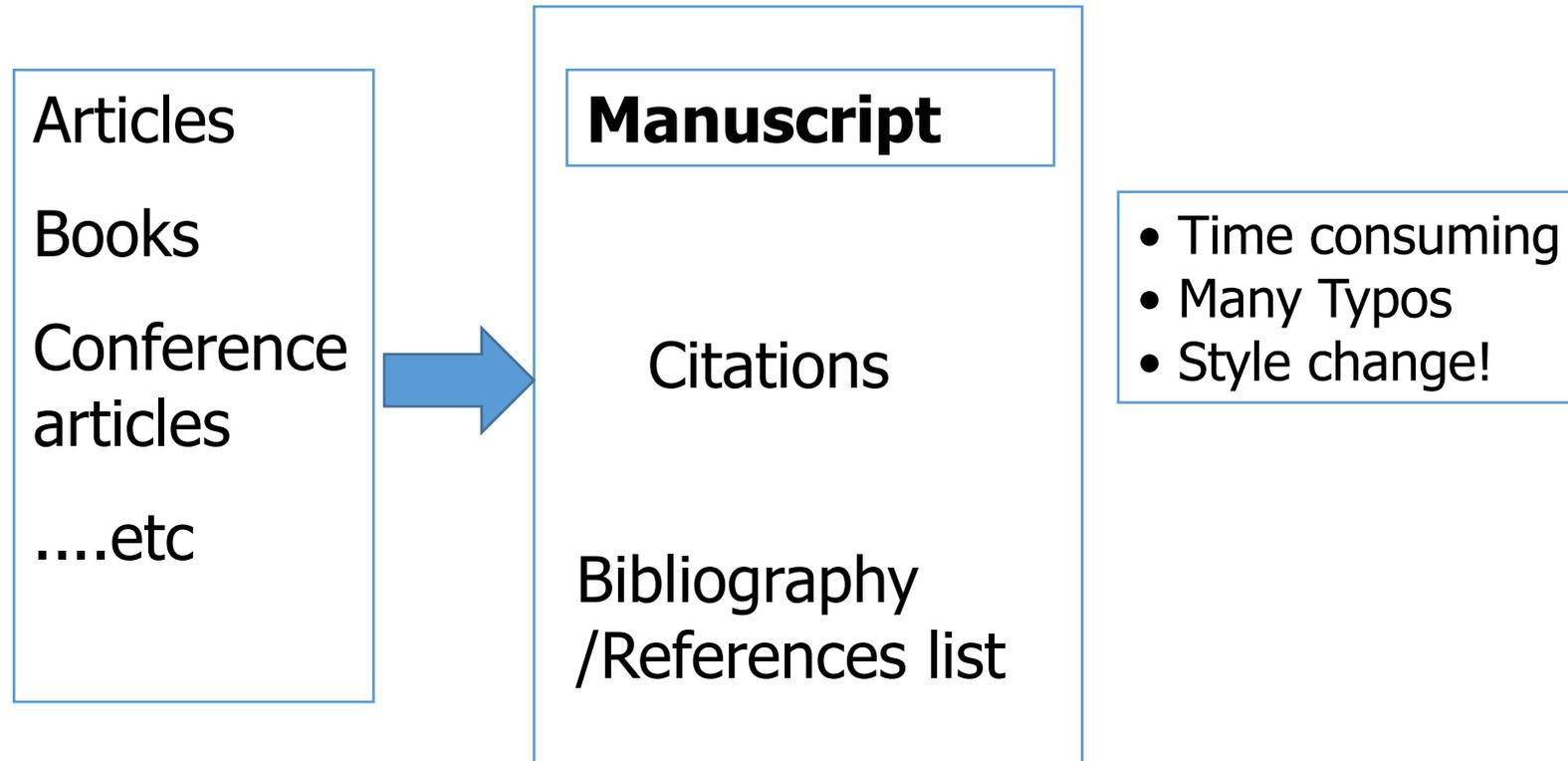
Research Methodology

Dr. Bashar R. Qawasmeh
School of Engineering

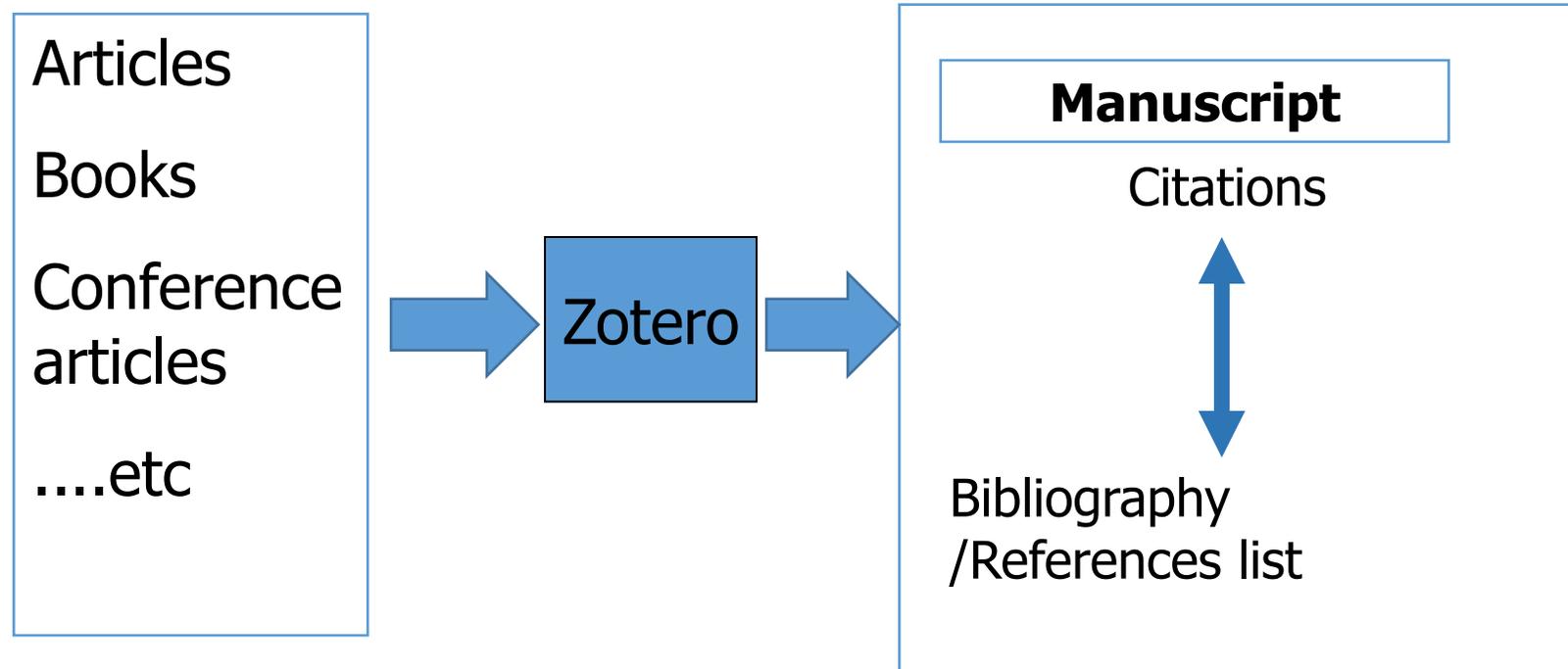
Outline

- Background
- Zotero
- Download and Install Zotero
- Build Zotero library
- Add references to Zotero library
- Manage citations and references
- Create bibliographies using Zotero
- Use Zotero with MS Word
- Zotero useful links and options

Research Work...



Research Work with Research tool



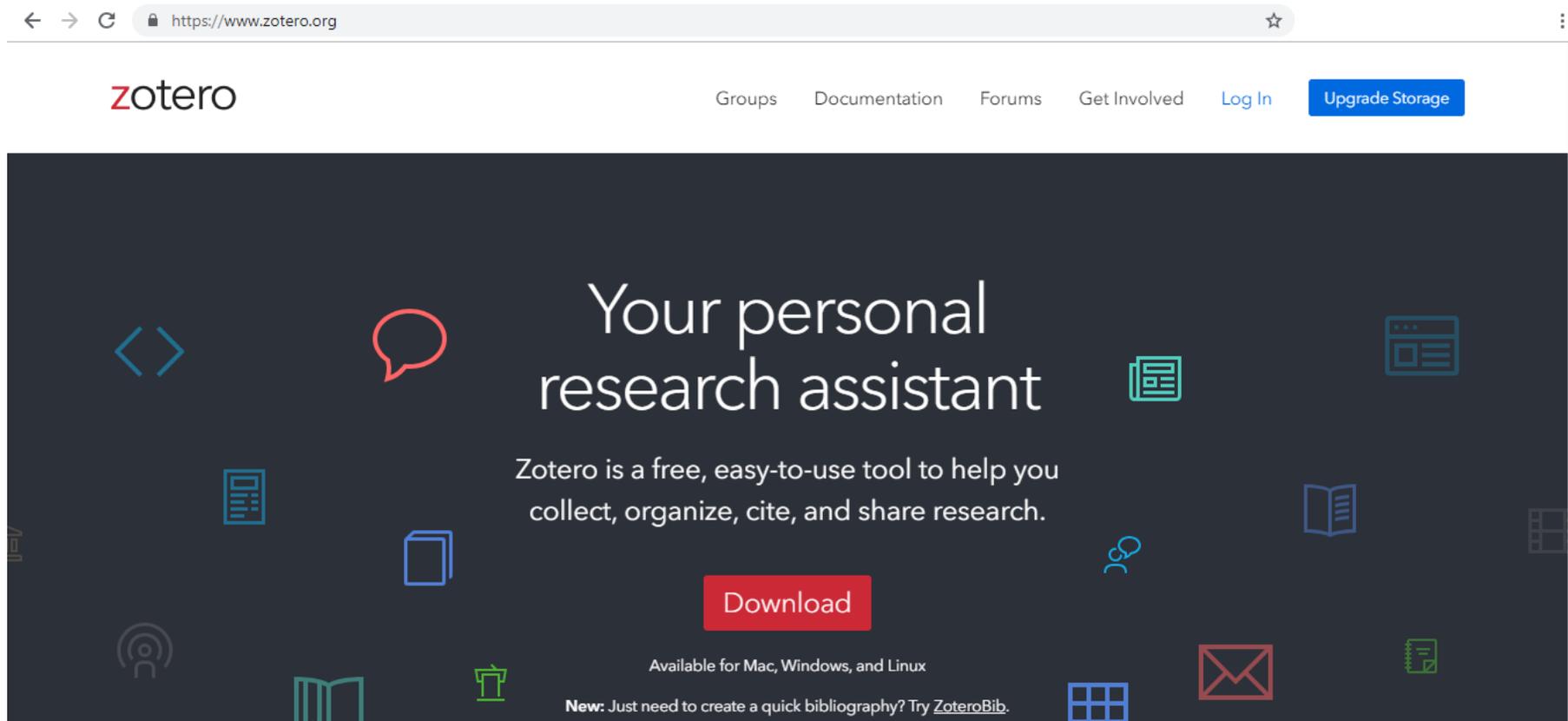
Why using a managing reference tool?

- To manage citations and bibliographic directly in Microsoft (MS) word processing software
- To save bibliographic data base
- Easier to automatically switch to different citation styles (e.g. APA to MLA or Vancouver)
- Work with multi PCs and documents

zotero

- Zotero is a free reference tool that
 - identifies bibliographic on books, journal articles, and other resources from websites and databases
 - stores citations, and files in library
 - creates a citations and bibliographies in Word or OpenOffice documents
 - publishes shared libraries for your organization, class, or research group
- Compatible with Mac, Windows & Linux operating systems
- To download and install, go to: <http://www.zotero.org>

Download Zotero



The screenshot shows the Zotero website homepage. At the top, the browser address bar displays "https://www.zotero.org". The website header includes the Zotero logo on the left and navigation links for "Groups", "Documentation", "Forums", "Get Involved", "Log In", and a blue "Upgrade Storage" button on the right. The main content area has a dark background with the headline "Your personal research assistant" in white. Below the headline is the text "Zotero is a free, easy-to-use tool to help you collect, organize, cite, and share research." A prominent red "Download" button is centered below this text. Underneath the button, it says "Available for Mac, Windows, and Linux". At the bottom of the main area, a new announcement reads "New: Just need to create a quick bibliography? Try [ZoteroBib](#)." The background is decorated with various colorful icons representing research and technology.

zotero

Groups Documentation Forums Get Involved Log In Upgrade Storage

Your personal research assistant

Zotero is a free, easy-to-use tool to help you collect, organize, cite, and share research.

[Download](#)

Available for Mac, Windows, and Linux

New: Just need to create a quick bibliography? Try [ZoteroBib](#).

Zotero | Downloads x +

https://www.zotero.org/download/

zotero

Log In · Register

Upgrade Storage

Home Groups People Documentation Forums Get Involved Search

Home > Downloads



Zotero 5.0 for Windows

Your personal research assistant

Download



Zotero Connector

Save to Zotero from your browser

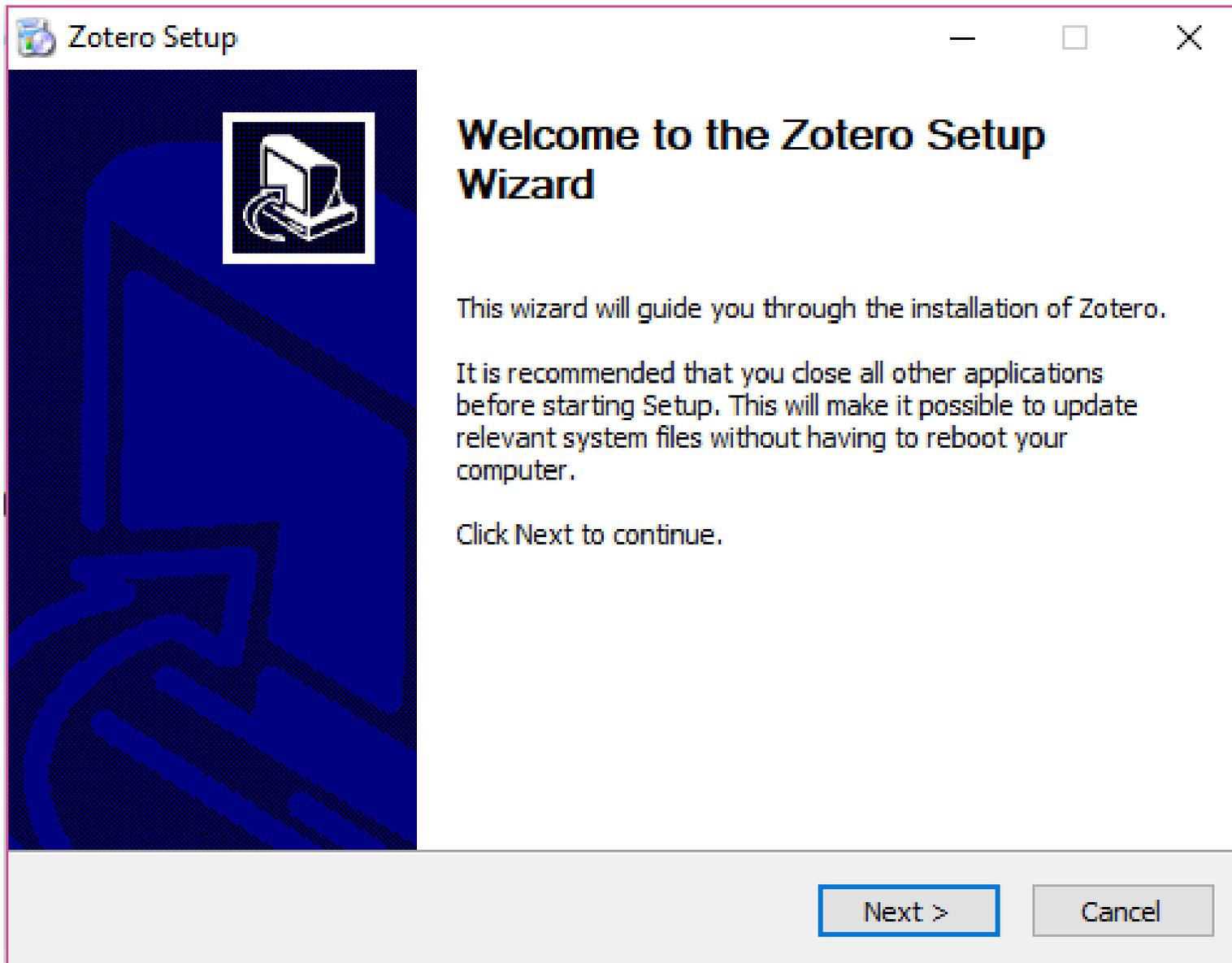
Install Chrome Connector

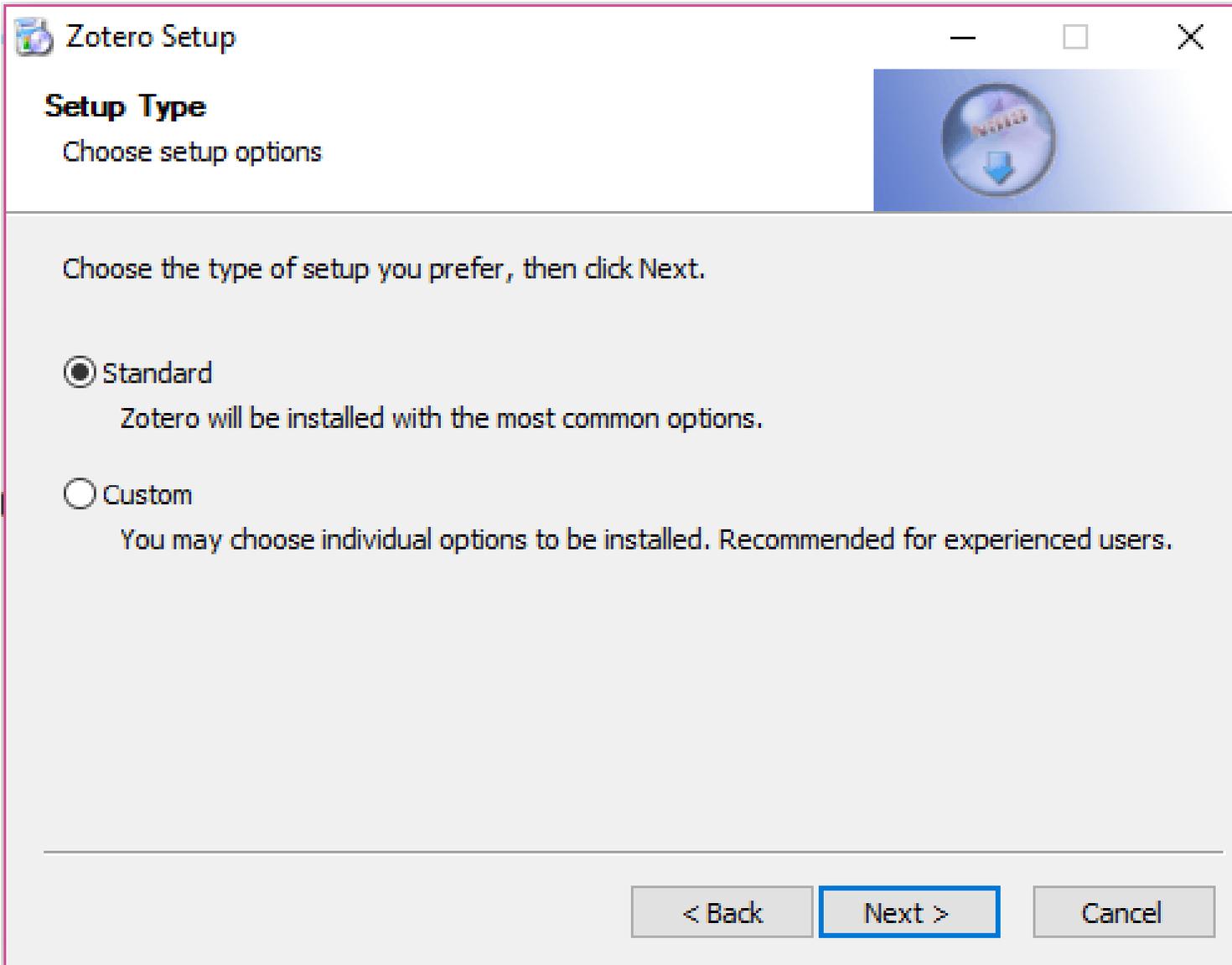
Zotero Connectors automatically sense content

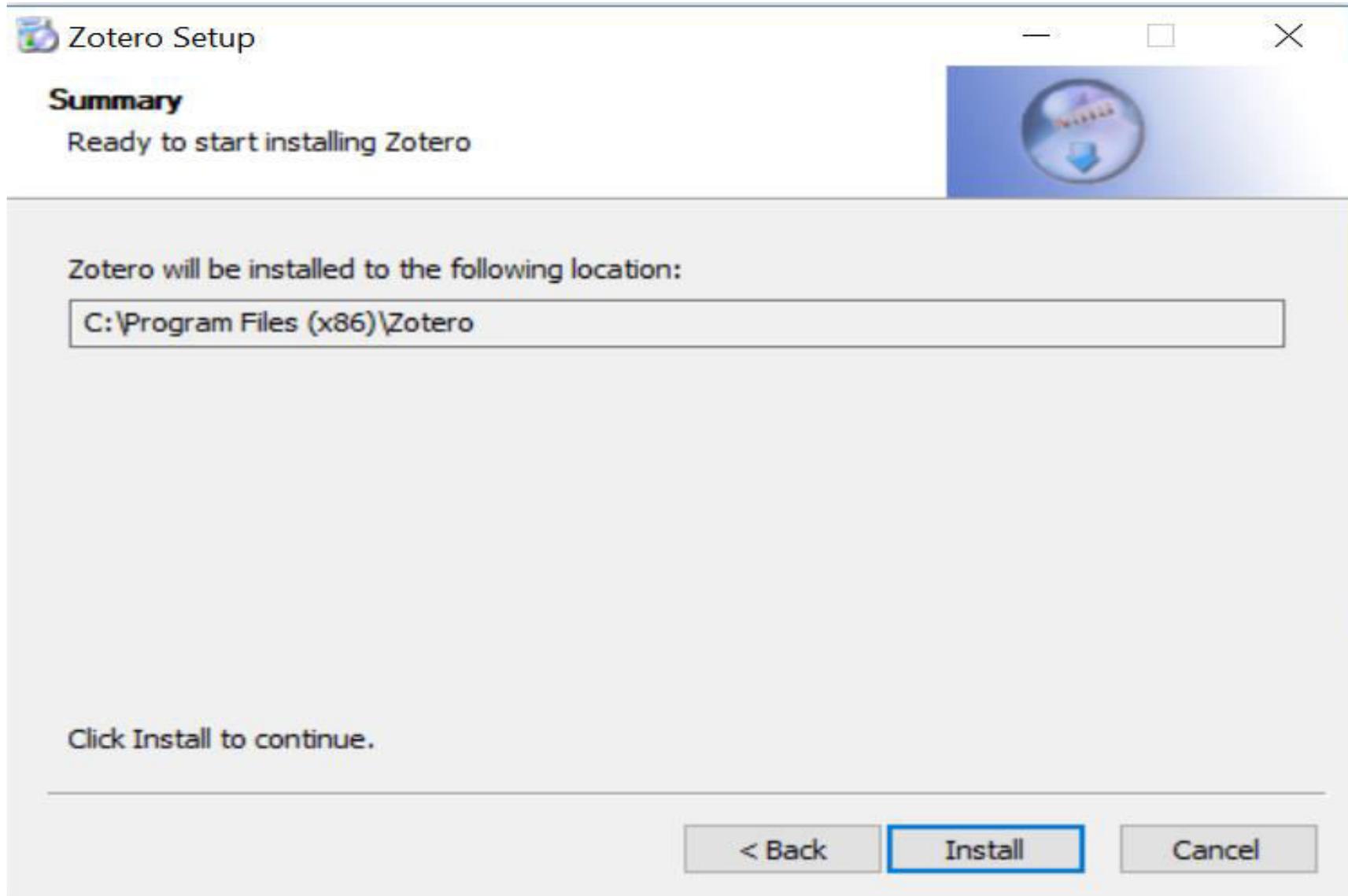
https://www.zotero.org/download/client/dl?channel=release&platform=win32&ver...

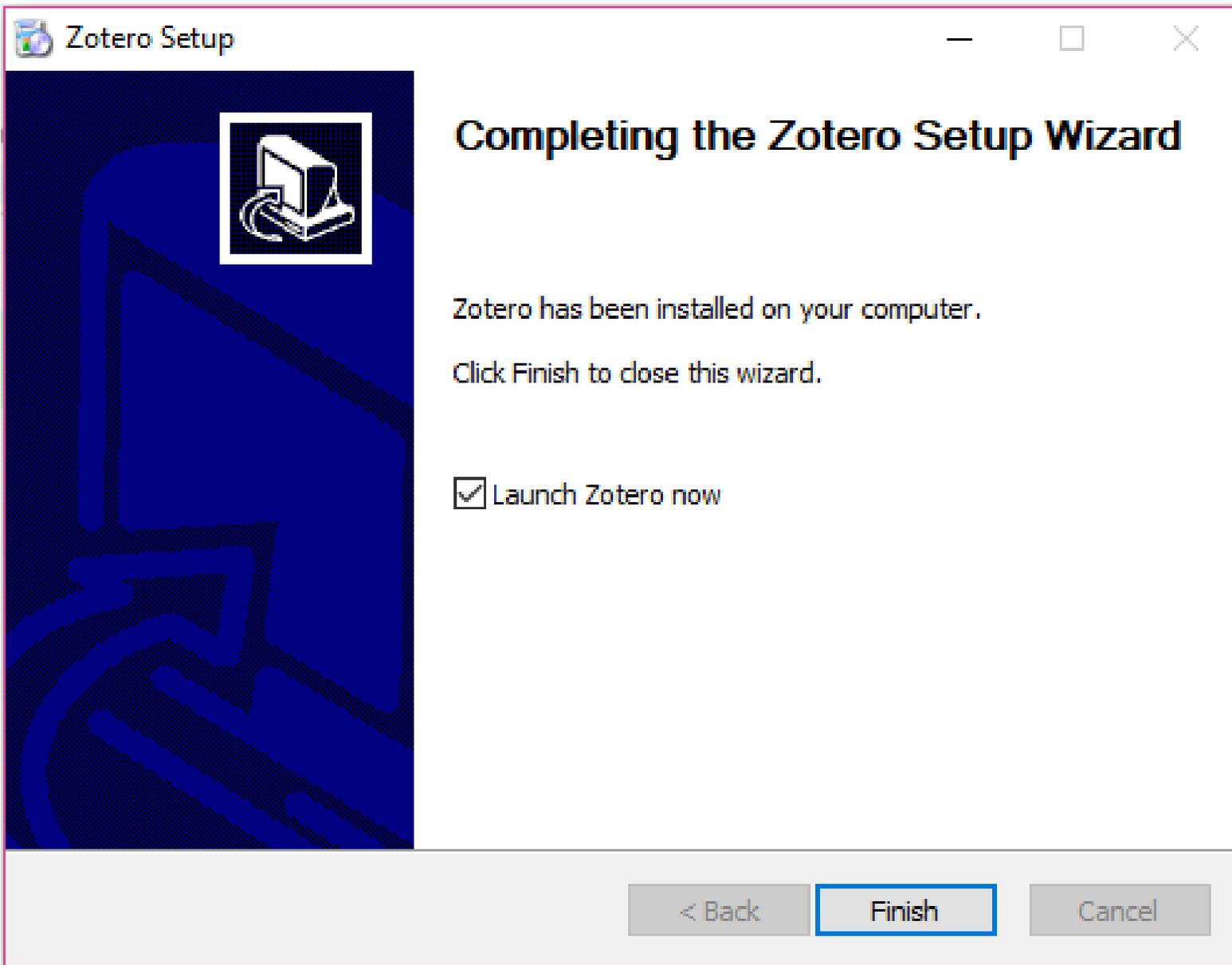
Zotero-5.0.58_setup.exe
28.9/41.7 MB, 4 secs left

Show all X









Success! You installed Zotero!



1. Install the Zotero Connector for Chrome

Zotero Connectors allow you to save to Zotero directly from your web browser.

Install



Firefox Connector

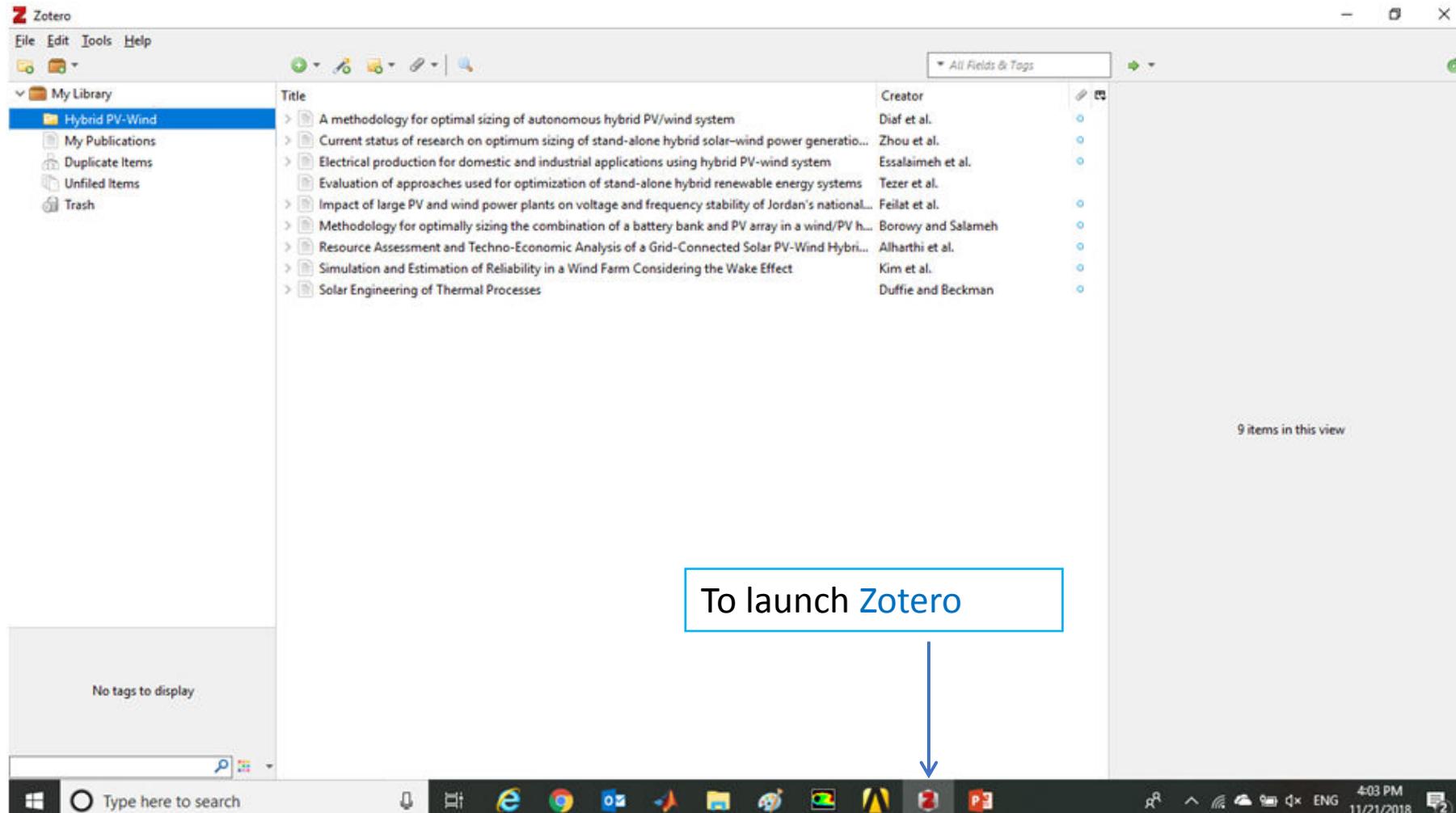
Install



Safari Connector

Install

This extension enables [Zotero](#) feature on the chosen browser



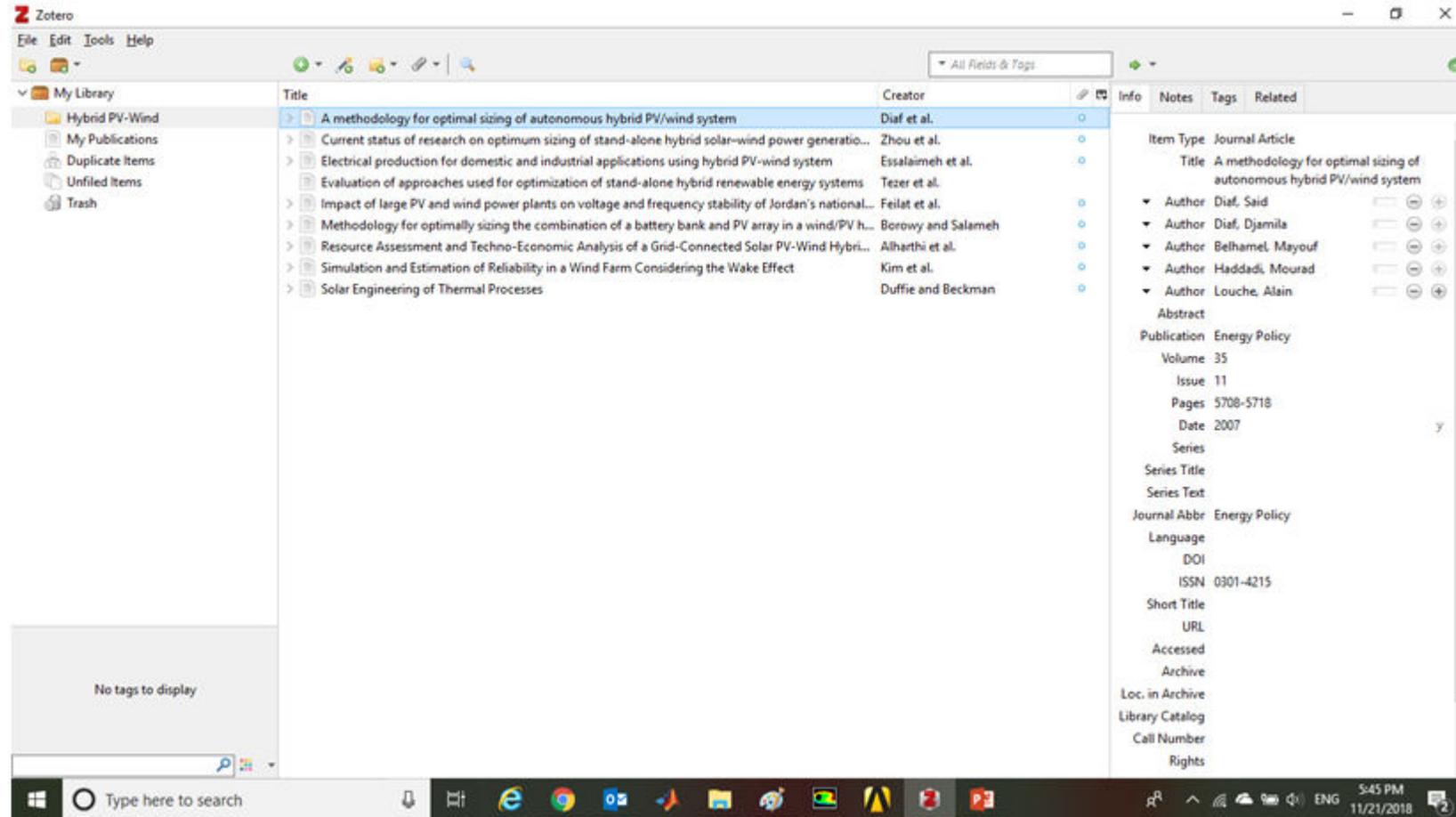


Practice 1

- Go to the website: www.zotero.org
- Click Download
- Choose Zotero Windows Download
- Follow the instructions to Install the software and the extension
- Launch the Zotero

The **Zotero window** shows the following:

- Zotero libraries and collections (**Left**)
- All documents within the selected library, collections (**Middle**)
- Documents info, notes, tags and related (**Right**)



Zotero

File Edit **Tools** Help

- Create Timeline
- RTF Scan...
- Install Browser Connector**
- Add-ons

My Library

Title	Creator	Info	Notes	Tags	Related
A methodology for optimal sizing of autonomous hybrid PV/wind system	Diaf et al.				
Current status of research on optimum sizing of stand-alone hybrid solar-wind power generatio...	Zhou et al.				
Electrical production for domestic and industrial applications using hybrid PV-wind system	Essalaimah et al.				
Evaluation of approaches used for optimization of stand-alone hybrid renewable energy systems	Tezer et al.				
Impact of large PV and wind power plants on voltage and frequency stability of Jordan's national...	Feilat et al.				
Methodology for optimally sizing the combination of a battery bank and PV array in a wind/PV h...	Borowy and Salameh				
Resource Assessment and Techno-Economic Analysis of a Grid-Connected Solar PV-Wind Hybri...	Alharthi et al.				
Simulation and Estimation of Reliability in a Wind Farm Considering the Wake Effect	Kim et al.				
Solar Engineering of Thermal Processes	Duffie and Beckman				

▼ All Fields & Tags

Item Type Journal Article

Title A methodology for optimal sizing of autonomous hybrid PV/wind system

▼ Author Diaf, Said

▼ Author Diaf, Djamilia

▼ Author Belhamel, Mayouf

▼ Author Haddadi, Mourad

▼ Author Louche, Alain

Abstract

Publication Energy Policy

Volume 35

Issue 11

Pages 5708-5718

Date 2007

Series

Series Title

Series Text

Journal Abbr Energy Policy

Language

DOI

ISSN 0301-4215

Short Title

URL

Accessed

Archive

Loc. in Archive

Library Catalog

Call Number

Rights

No tags to display

Type here to search

5:56 PM 11/21/2018

We may still **Install Browser Connector** from Tools tab if not installed.

To create new collection and name it. It is recommended (more organized)

The screenshot shows the Zotero application interface. A 'New Collection' dialog box is open in the center, prompting the user to 'Enter a name for this collection:' with a text input field containing 'Untitled'. The background interface includes a left sidebar with 'My Library' and sub-items like 'Hybrid PV-Wind', 'My Publications', 'Duplicate Items', 'Unfiled Items', and 'Trash'. The main area displays a list of journal articles with columns for Title, Creator, and a status icon. The right sidebar shows the metadata for the selected article, including Item Type (Journal Article), Title, Author list (Diaf, Said; Diaf, Djamilia; Belhamel, Mayouf; Haddadi, Mourad; Louche, Alain), Publication (Energy Policy), Volume (35), Issue (11), Pages (5708-5718), and Date (2007). The Windows taskbar at the bottom shows the search bar and various application icons.



Practice 2

- Launch Zotero.
- Create **New Collection** and name this collection any topic of interest to you.

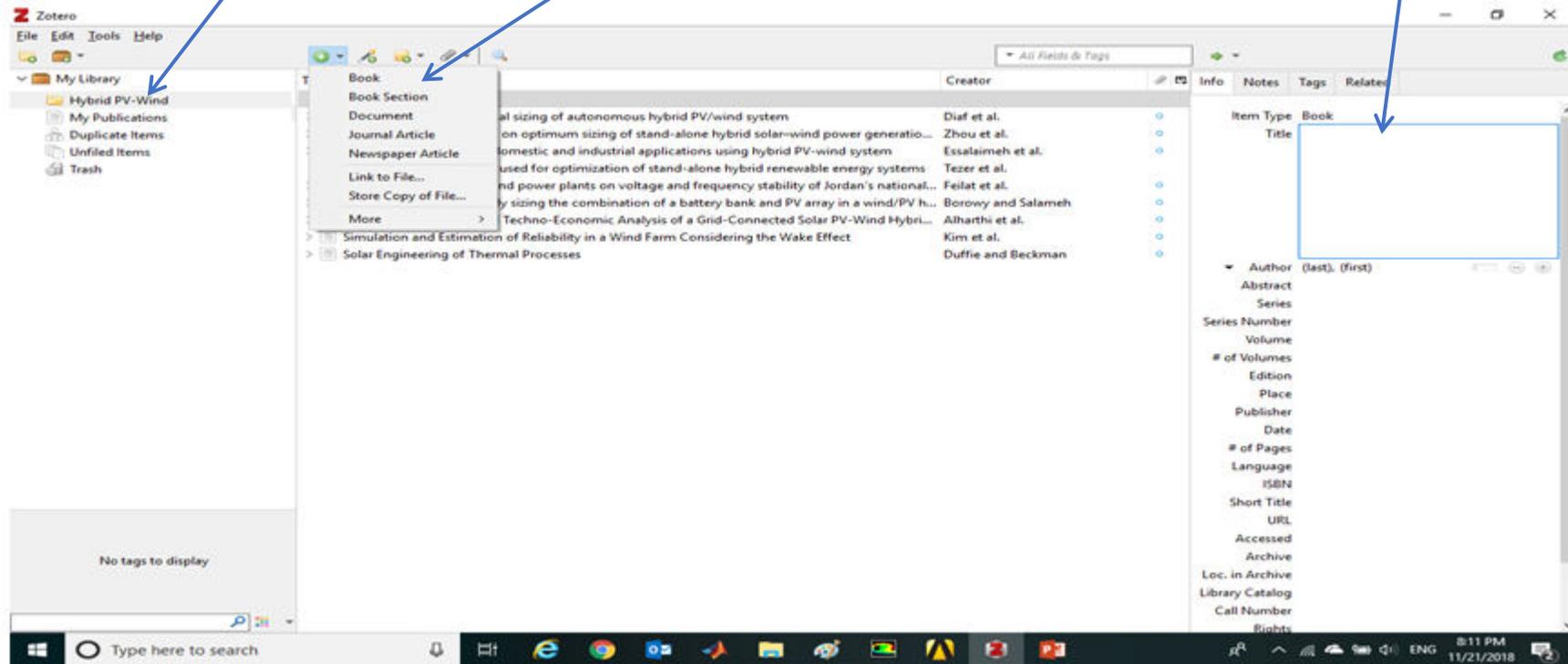
Add citations to Zotero

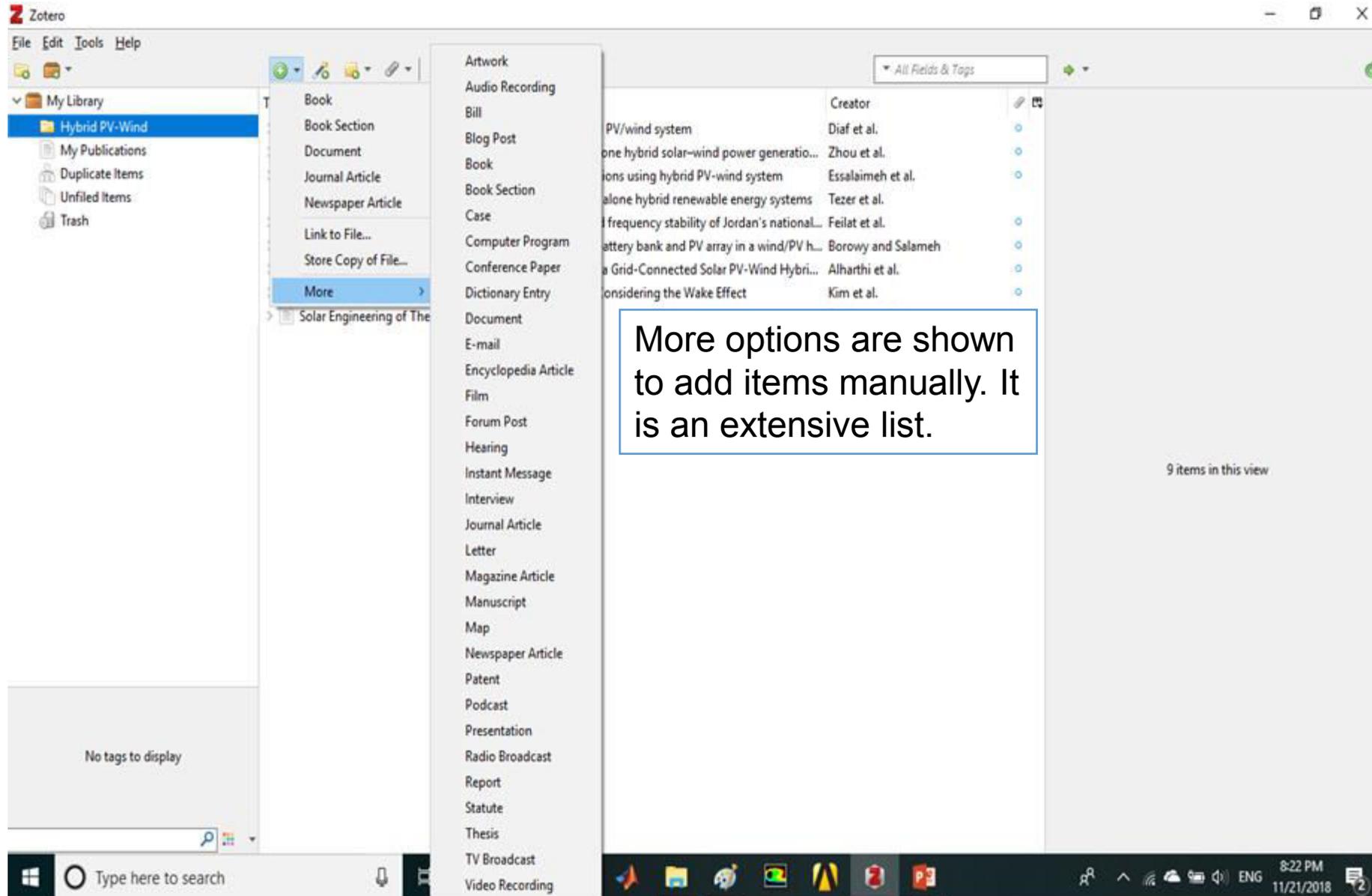
- Adding citations to library as:
 - Enter citation manually
 - Import citation for a single item
 - Import citation for multiple items
 - Use identifier (ISBN, DOI or PMID) to add item
 - Cite web pages automatically

Add items manually

To add a citation **manually** in Zotero, click on the **New Item** icon in the middle column. In the drop-down menu that appears, select the **type of item** you want to add.

Here you find **fields** that are specific to the type of item you selected. Fill in the required fields for the item.



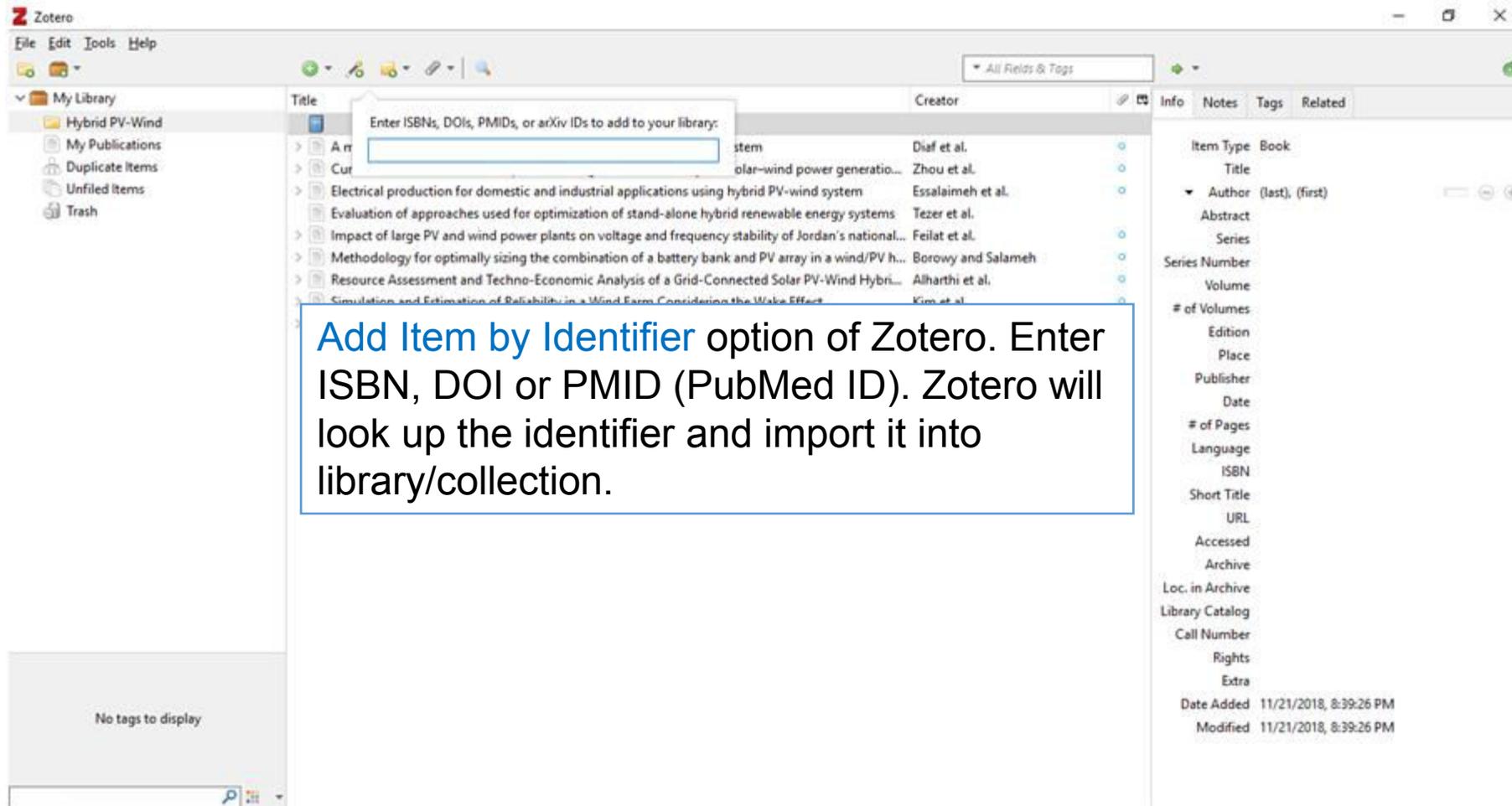




Practice 3

- In Zotero, click on the [New item](#) icon
- Select [Book](#)
- Enter the Title, Author, Edition, Publisher and Date:
Incompressible Flow, R. L. Panton, John Wiley & Sons, 2013
(or choose a **book title** to add to your subject collection)

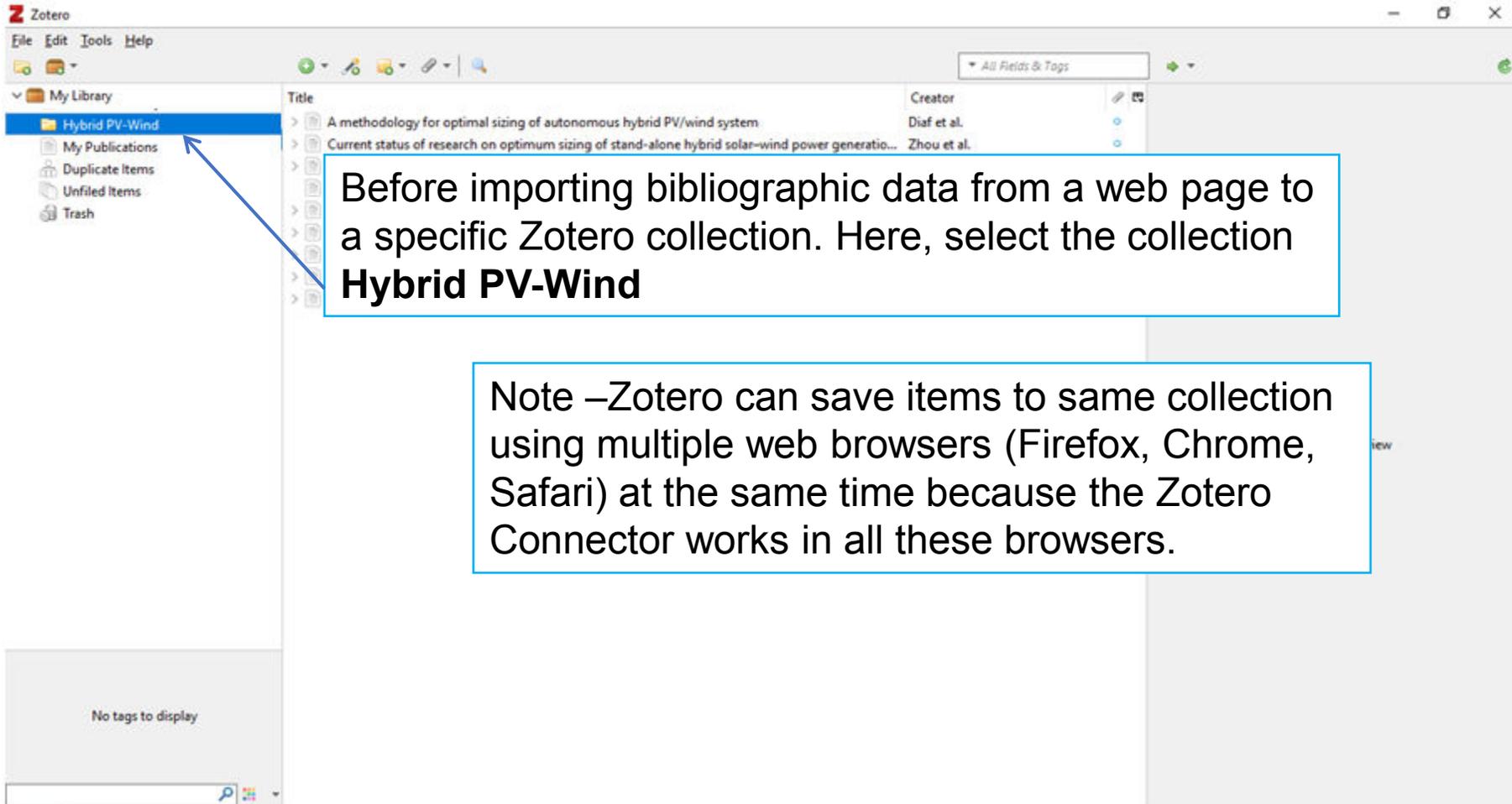
Add Items by Identifier



The screenshot shows the Zotero application window. The main pane displays a list of items with columns for Title, Creator, and a status icon. A dialog box is open over the list, titled "Enter ISBNs, DOIs, PMIDs, or arXiv IDs to add to your library:", with an input field. The right-hand pane shows the metadata for a selected item, including fields like Item Type, Title, Author, Abstract, Series, etc. A text box is overlaid on the screenshot, providing instructions on how to use the "Add Item by Identifier" option.

Add Item by Identifier option of Zotero. Enter ISBN, DOI or PMID (PubMed ID). Zotero will look up the identifier and import it into library/collection.

Add Items from web sources



Before importing bibliographic data from a web page to a specific Zotero collection. Here, select the collection **Hybrid PV-Wind**

Note –Zotero can save items to same collection using multiple web browsers (Firefox, Chrome, Safari) at the same time because the Zotero Connector works in all these browsers.

Browser window: Digital Object Identifier System | <https://www.doi.org>

doi[®]

HOME | HANDBOOK | FACTSHEETS | FAQs | RESOURCES | REGISTRATION AGENCIES | NEWS | MEMBERS AREA

The DOI[®] System ISO 26324

Resolve a DOI Name

Type or paste a DOI name, e.g., 10.1000/xyz123, into the text box below. (Be sure to enter all of the characters before and after the slash. Do not include extra characters, or sentence punctuation marks.)

SUBMIT

Clicking on a DOI link (try this one: <https://doi.org/10.1109/5.771073>) takes you to one or more current URLs or other services related to a single resource. If the URLs or services change over time, e.g., the resource moves, this same DOI will continue to resolve to the correct resources or services at their new locations.

Check the current status of the DOI system at doi.statuspage.io.

DRIVEN BY doi[®] Enhance the value of your content. Join the DOI Community. [Watch a video, get the facts, and find out how.](#)

This is the web site of the International DOI Foundation (IDF), a not-for-profit [membership organization](#) that is the governance and management body for the [federation of Registration Agencies](#) providing Digital Object Identifier (DOI) services and registration, and is the registration authority for the ISO standard (ISO 26324) for the DOI system. The DOI system provides a technical and social infrastructure for the registration and use of persistent interoperable identifiers, called DOIs, for use on digital networks.

Click the Save to Zotero (DOI)

Windows taskbar: Type here to search | 9:40 PM 11/21/2018

Wind - PubMed - NCBI

https://www.ncbi.nlm.nih.gov/pubmed/?term=Wind

NCBI Resources How To Sign in to N Save to Zotero (PubMed)

PubMed.gov
US National Library of Medicine
National Institutes of Health

PubMed Wind Search

Create RSS Create alert Advanced Help

Article types
Clinical Trial
Review
Customize ...

Text availability
Abstract
Free full text
Full text

Publication dates
5 years
10 years
Custom range...

Species
Humans
Other Animals

Format: Summary Sort by: Most Recent Per page: 20 Send to Filters: Manage Filters

Sort by:
Best match Most recent

Best matches for Wind:
[Bloating and Abdominal Distension: Old Misconceptions and Current Knowledge.](#)
Malagelada JR et al. Am J Gastroenterol. (2017)
[Effectiveness of probiotics in irritable bowel syndrome: Updated systematic review with meta-analysis.](#)
Didari T et al. World J Gastroenterol. (2015)
[Methanobrevibacter attenuation via probiotic intervention reduces flatulence in adult human: A non-randomised paired-design clinical trial of efficacy.](#)
Seo M et al. PLoS One. (2017)

Switch to our new best match sort order

Results by year
Download CSV

Related searches
wind turbine

PMC Images search for Wind

Search results

Clear all

Click the Save to Zotero (PMID)

1. [Avian-inspired energy-harvesting from atmospheric phenomena for smart UAVs.](#)
Gavrilovic N, Mohamed A, Marino M, Watkins S, Moschetta JM, Benard E.
Bioinspir Biomim. 2018 Nov 20;14(1):016006. doi: 10.1088/1748-3190/aac661.
PMID: 30457112
[Similar articles](#)

2. [Natural Sugar Assisted Chemically Reinforced Highly Durable Piezo-Organic Nanogenerator with Superior Power Density for Self-Powered Wearable Electronics.](#)
Maity K, Garain S, Henkel K, Schmeißer D, Mandal D.

Type here to search

9:45 PM 11/21/2018

The Save to Zotero icon at the right-end of the URL (address) bar changes according to type. Here are the most common icons:

Icon	Likeness	Description
	Lined sheet	Journal article
	Blue book	Book
	Manila folder	Multiple items on a search results page (e.g. DOI or Google Scholar)

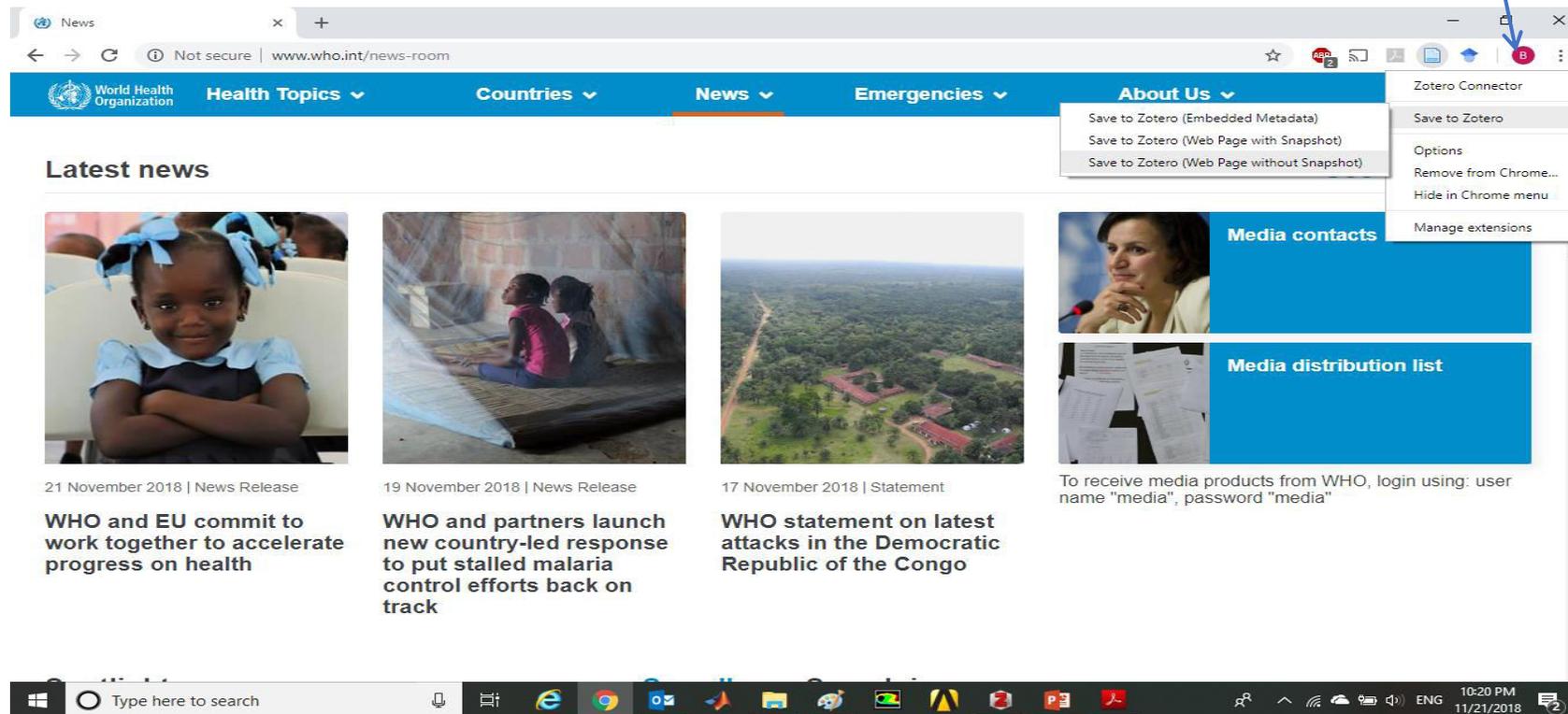


Practice 4

- Launch Zotero from taskbar. Open the selected collection
- Go to Google Books and do a search for books about: **Renewable energy** or any topic
- Click on the [Save to Zotero \(Google Books\) icon](#)
- It should now be in the Zotero software selected collection

To send citations for webpages into the Zotero collection, right-click on the [Save to Zotero \(Embedded Metadata\)](#) icon, click on [Save to Zotero](#) from the menu and last click on [Save to Zotero \(Web Page without Snapshot\)](#).

It will automatically be saved in the selected collection. The information can be edited in Zotero software infotab on the right.

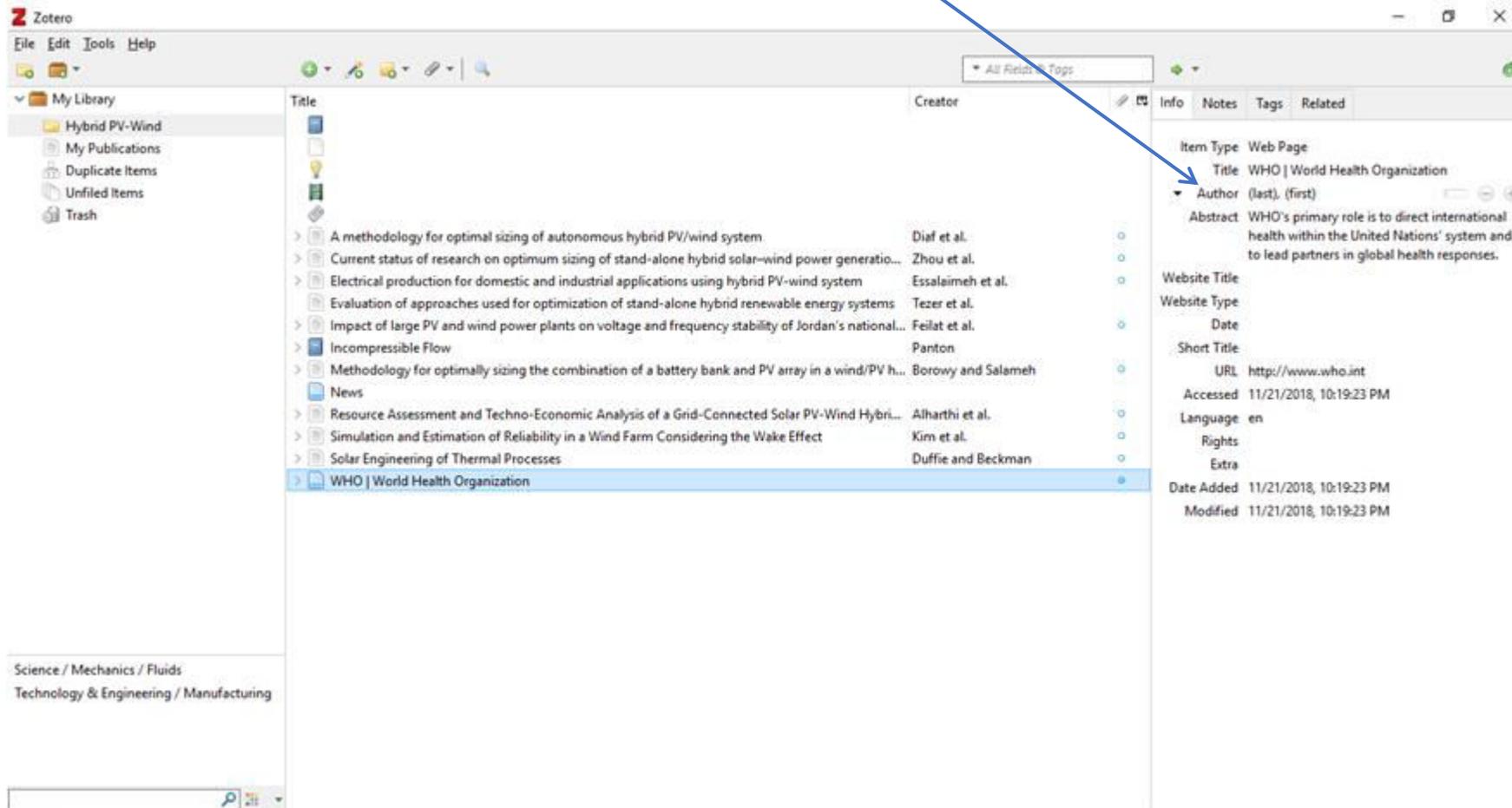


The screenshot shows a web browser window displaying the WHO News page. The address bar shows the URL www.who.int/news-room. The page features a blue navigation bar with the WHO logo and menu items: Health Topics, Countries, News, Emergencies, and About Us. Below the navigation bar, there is a section titled "Latest news" with three news items:

- WHO and EU commit to work together to accelerate progress on health** (21 November 2018 | News Release)
- WHO and partners launch new country-led response to put stalled malaria control efforts back on track** (19 November 2018 | News Release)
- WHO statement on latest attacks in the Democratic Republic of the Congo** (17 November 2018 | Statement)

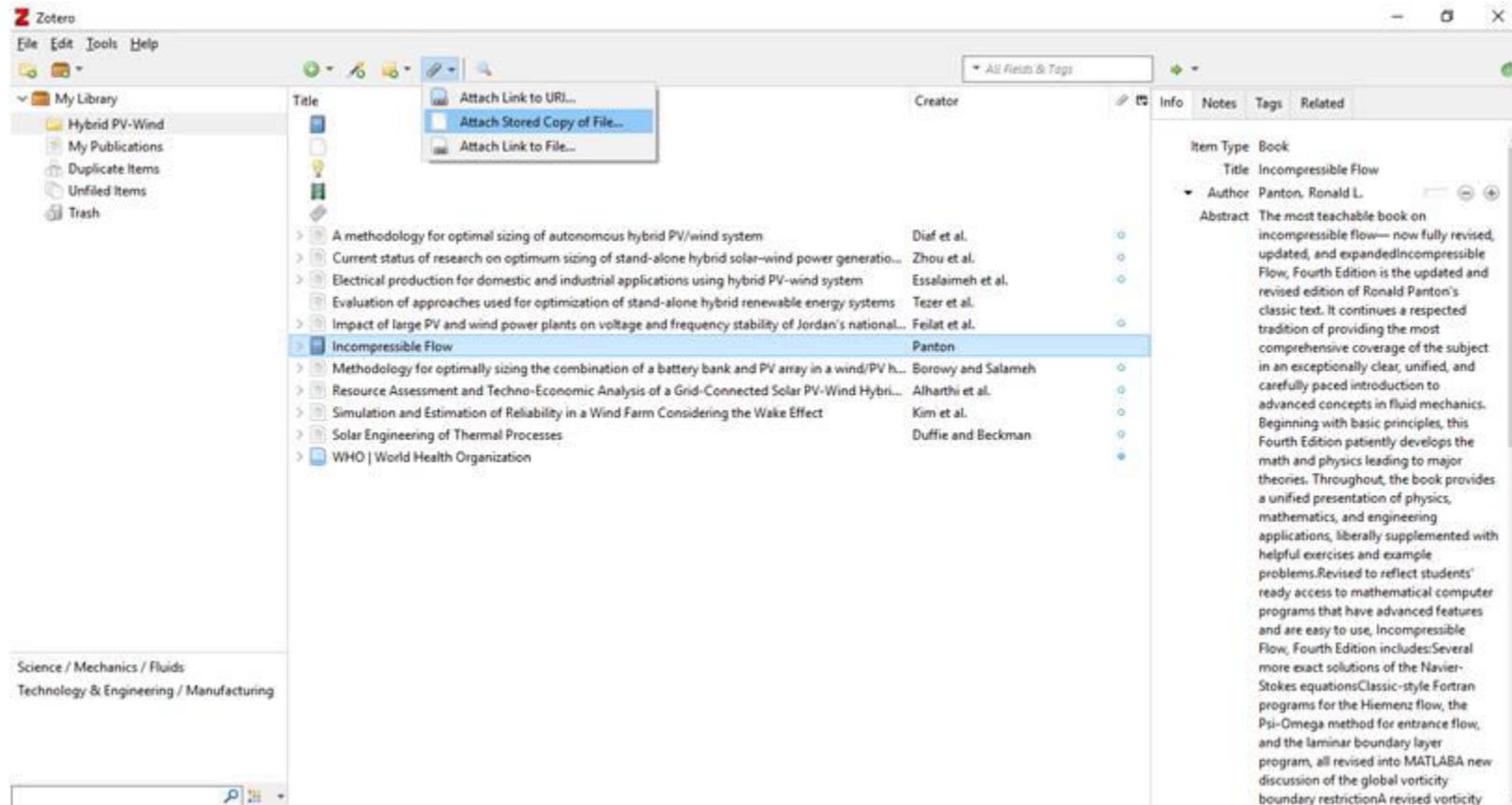
On the right side of the page, there are sections for "Media contacts" and "Media distribution list". A Zotero Connector extension menu is open, showing options: "Save to Zotero (Embedded Metadata)", "Save to Zotero (Web Page with Snapshot)", and "Save to Zotero (Web Page without Snapshot)". A blue arrow points from the text above to the "Save to Zotero (Web Page without Snapshot)" option in the menu.

This is a saved record of the WHO web page in Zotero. Fields such as **Title**, **Author** and **Date** need to be completed or edited.



Attach files to items

In Zotero, files can be attached to an item. To add attachments to items, click on the paperclip button.



Create bibliographies using Zotero

- To create a bibliography from Zotero:
 - Highlight one or more references
 - Right-click to select [Create Bibliography from Items](#).
 - Select a [Citation Style](#) for your bibliography
 - Choose one of the following four [Formats](#) to create your bibliography:
 - *Save as RTF* will allow you to save the bibliography as a rich text file, which can be opened for example in Word.
 - *Save as HTML* will allow you to save the bibliography as a HTML file for viewing in a web browser.
 - *Save to Clipboard* will allow you to save the bibliography to your clipboard to paste into any text field.
 - *Print* will send your bibliography straight to a printer.

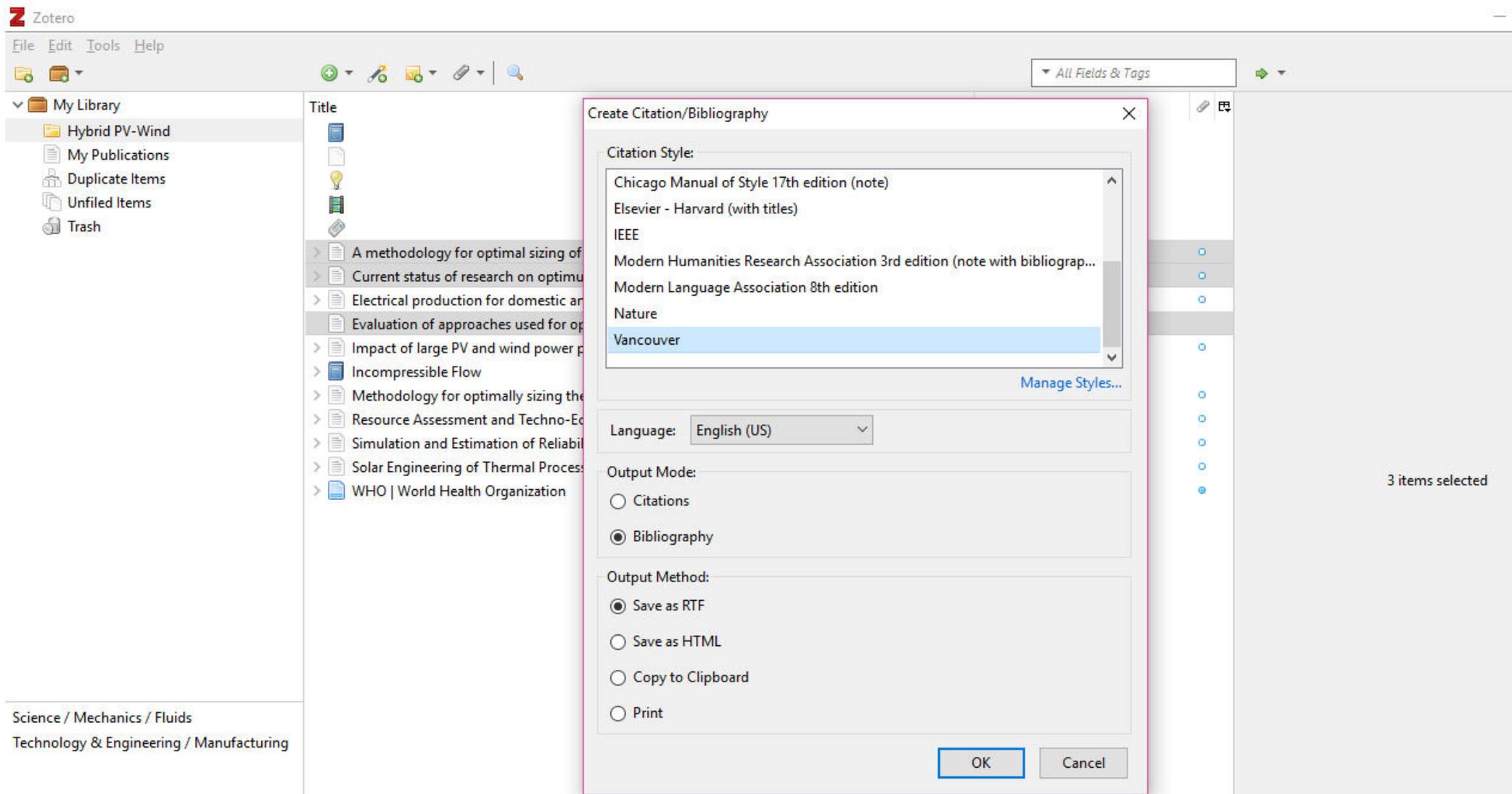
To create a Zotero bibliography, Highlight then choose as shown

The screenshot displays the Zotero desktop application. On the left, the 'My Library' sidebar shows folders for 'Hybrid PV-Wind', 'My Publications', 'Duplicate Items', 'Unfiled Items', and 'Trash'. The main pane shows a list of items with columns for 'Title' and 'Creator'. Three items are selected and highlighted in blue:

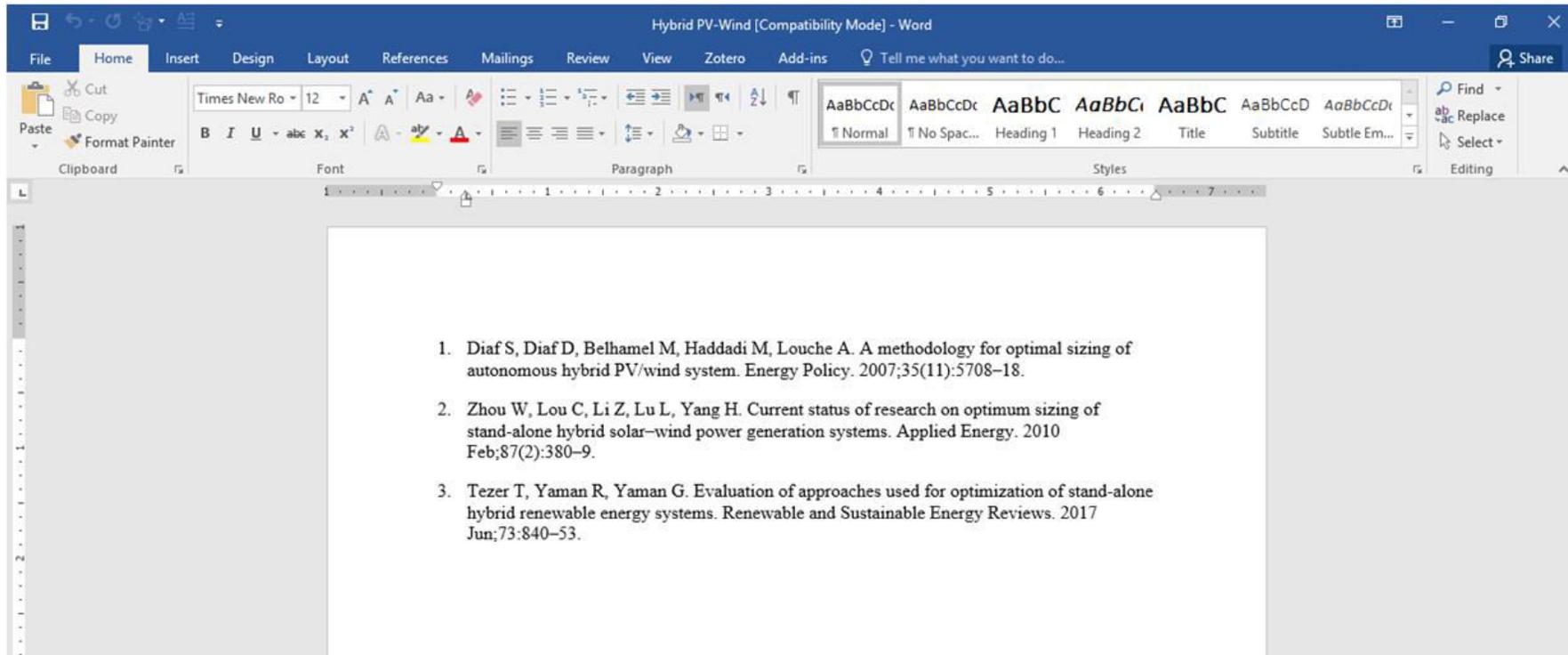
- A methodology for optimal sizing of autonomous hybrid PV/wind system
- Current status of research on optimum sizing of stand-alone hybrid solar-wind power generati
- Electrical production for domestic and industrial applications using hybrid PV-wind system

A context menu is open over the selected items, listing various actions. The option 'Create Bibliography from Items...' is highlighted. A blue arrow points from the text 'To create a Zotero bibliography, Highlight then choose as shown' to this menu option.

Other menu options include: View PDF, View Online, Show File, Find Available PDFs, Remove Items from Collection..., Move Items to Trash..., Merge Items..., Export Items..., and Generate Report from Items... The text '3 items selected' is visible in the bottom right corner of the application window.



Save the bibliography's file ([Hybrid PV-Wind.rtf](#)) to any location on your computer





Practice 6

- In Zotero, select the items from collection using the control button.
- Choose the option **Create Bibliography from Selected Items**, a new dialog box will appear
- Choose the **Citation Style** you would like to use
- Choose the **Format RTF**
- Click on **OK**
- The document will open in MS Word

Word Processor Integration

- Zotero's Microsoft (MS) Word permits users to insert citations directly from their MS word processing software.
- With Zotero version 5.0, the plugin is automatically linked to your Word or OpenOffice version; see the MS Word Ribbon:

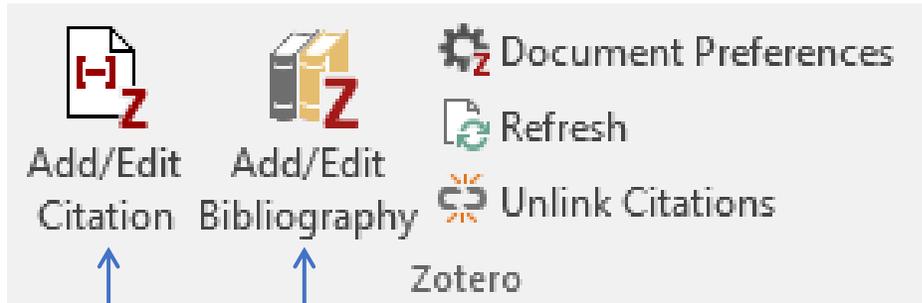


- Once we Click on the Zotero Tab a group of Zotero icons will appear in Microsoft Word Ribbon:

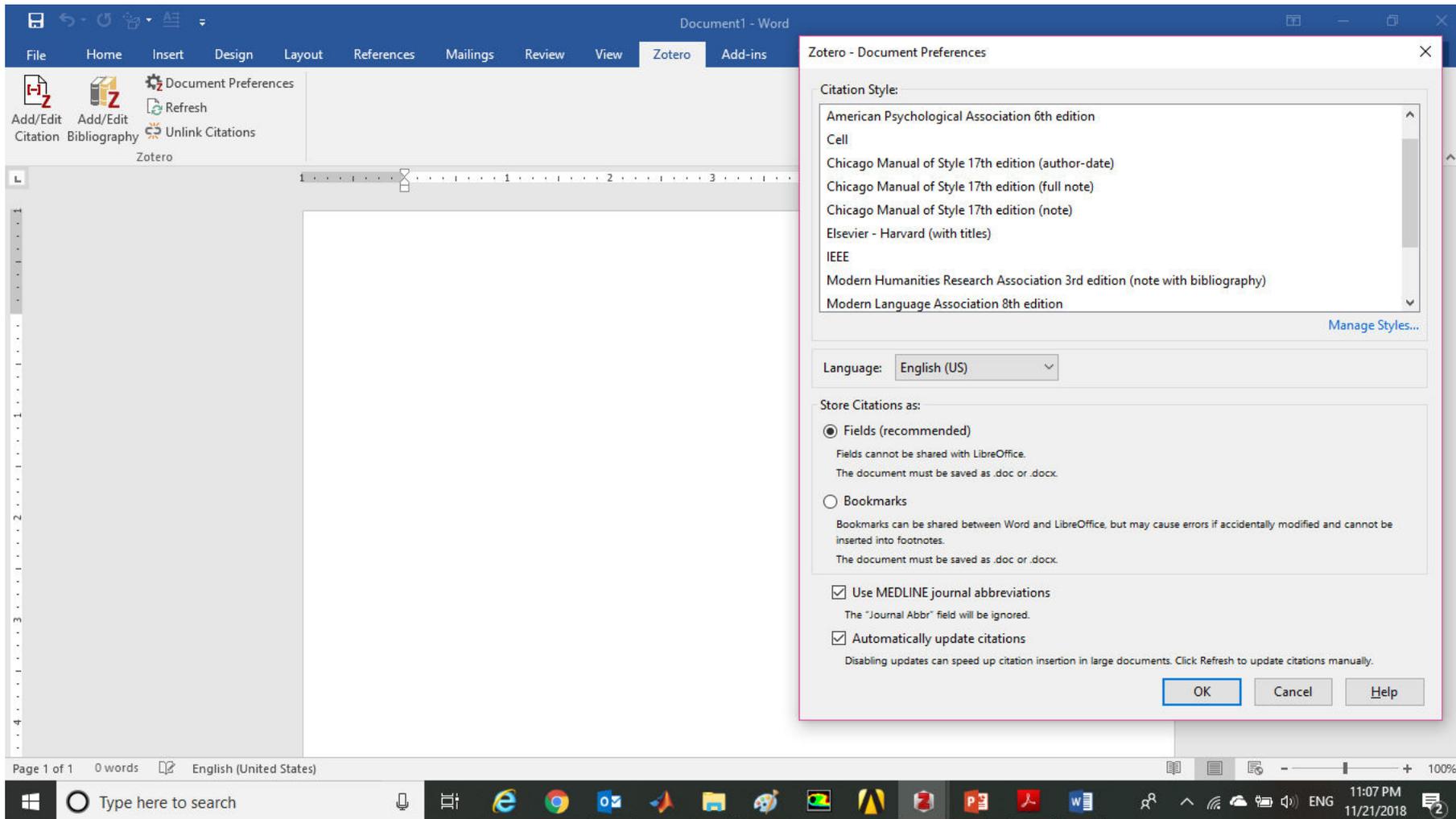


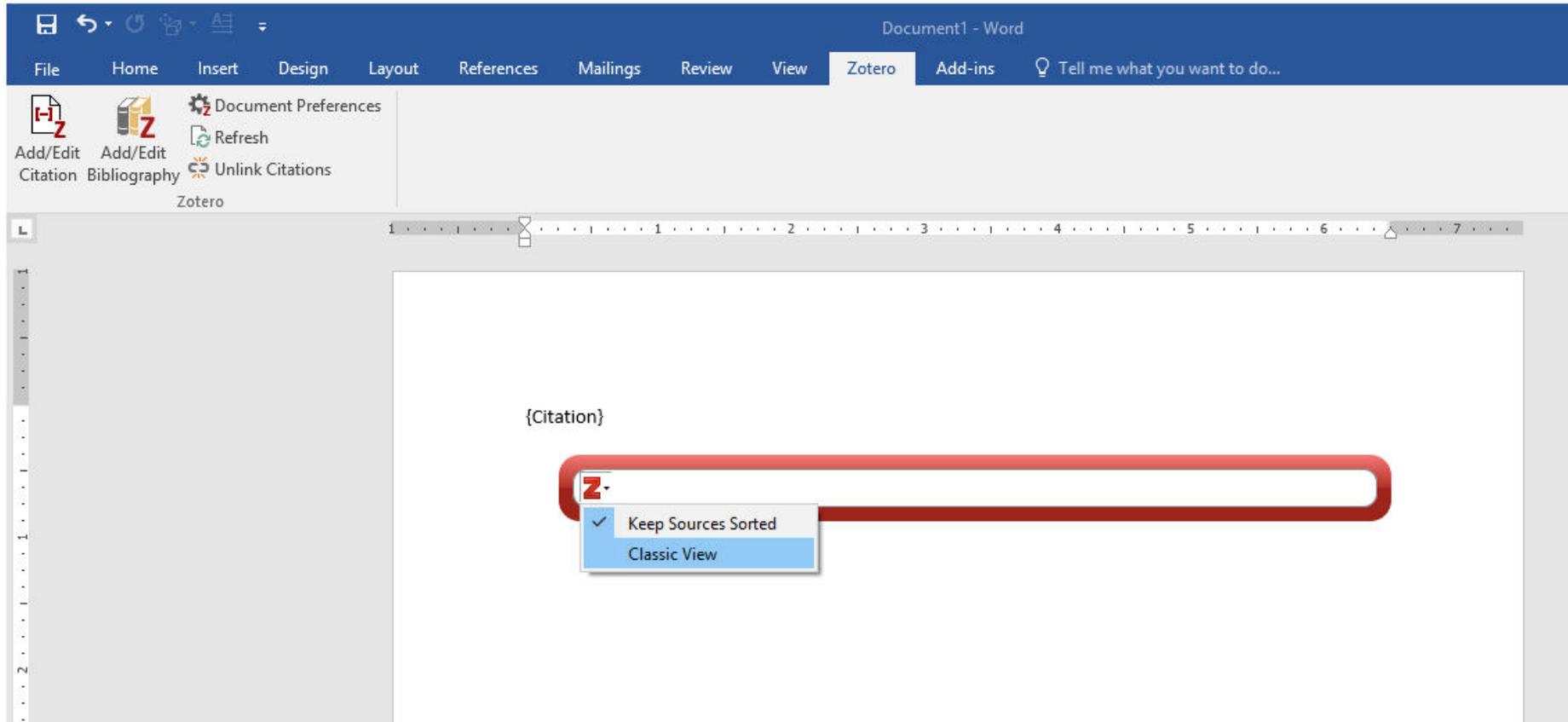
- These five buttons allow managing citations and bibliographies in MS Word documents

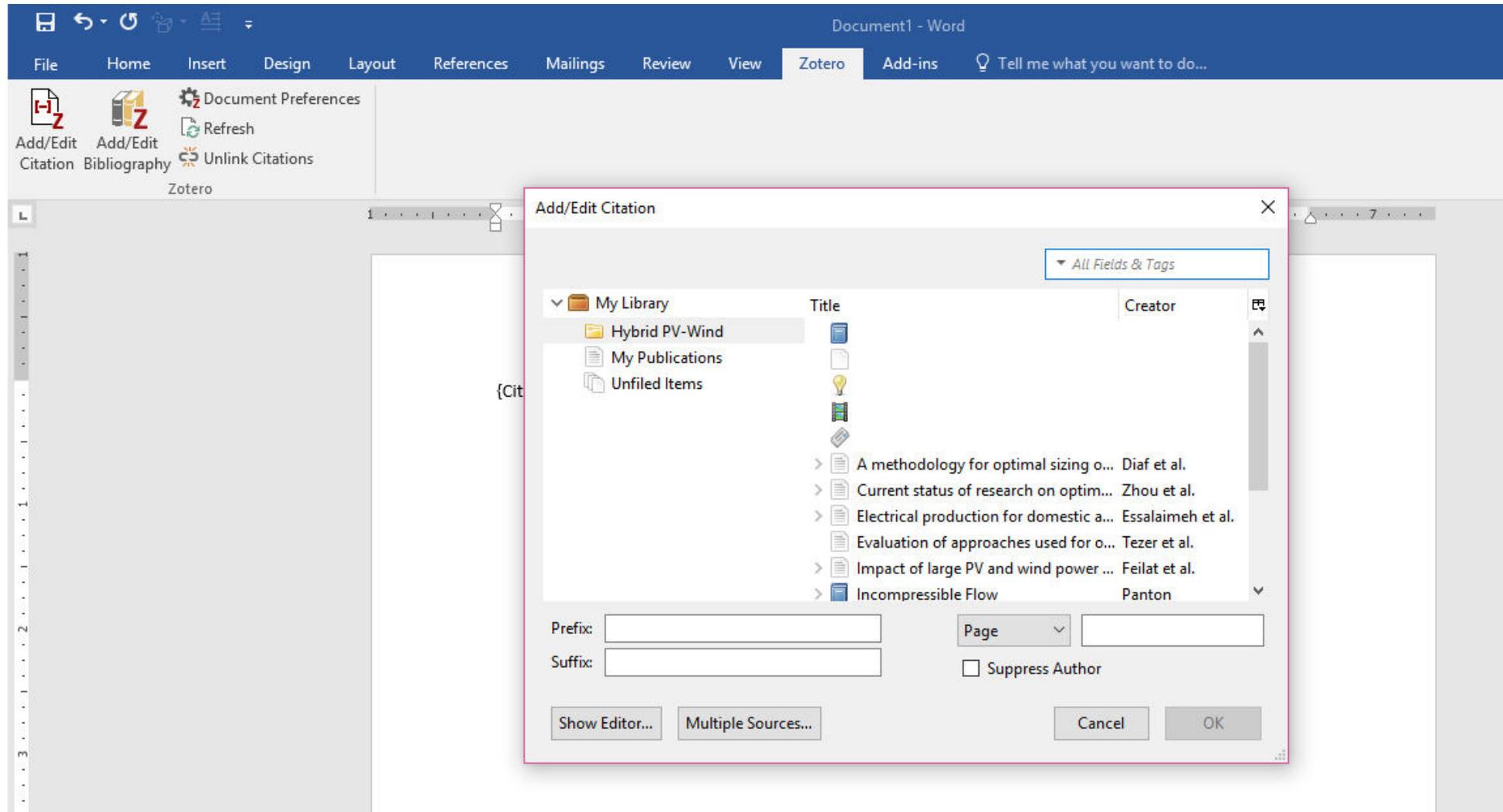
Zotero options for MS word are listed below



- Zotero Add/Edit Citation
- Zotero Insert Bibliography/Edit Bibliography
- Zotero Document Preferences
(to change the style)





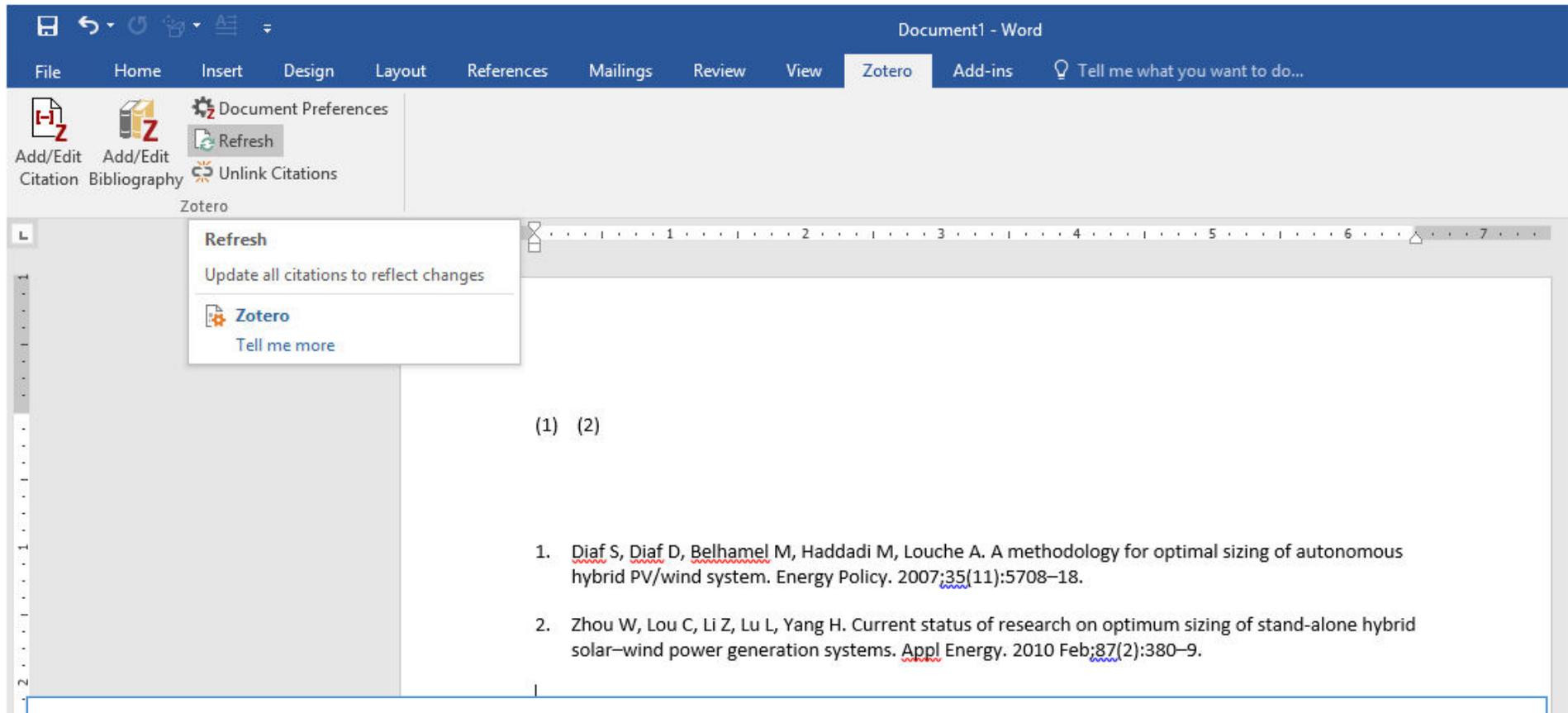


The screenshot shows the Microsoft Word interface with the Zotero ribbon active. The ribbon includes options for 'Add/Edit Citation', 'Add/Edit Bibliography', 'Document Preferences', 'Refresh', and 'Unlink Citations'. A dropdown menu for 'Add/Edit Bibliography' is open, displaying the instruction: 'Insert a new bibliography, or edit the existing bibliography, at the current cursor position'. Below this instruction are two options: 'Zotero' and 'Tell me more'. The document content shows two numbered citations:

- (1) [Diaf S, Diaf D, Belhamef M, Haddadi M, Louche A. A methodology for optimal sizing of autonomous hybrid PV/wind system. Energy Policy. 2007;35\(11\):5708–18.](#)
- (2) [Zhou W, Lou C, Li Z, Lu L, Yang H. Current status of research on optimum sizing of stand-alone hybrid solar–wind power generation systems. Appl Energy. 2010 Feb;87\(2\):380–9.](#)

Two citations and refernces were added.

Edit citations



To edit a citation , simply use [Add/Edit Citation](#) icon and make the changes in the required field(s). Click on [Refresh](#) – to show the changes.

Document1 - Word

File Home Insert Design Layout References Mailings Review View Zotero Add-ins

Add/Edit Citation Add/Edit Bibliography Refresh Unlink Citations Zotero

Zotero - Document Preferences

Citation Style:

- American Psychological Association 6th edition
- Cell
- Chicago Manual of Style 17th edition (author-date)
- Chicago Manual of Style 17th edition (full note)
- Chicago Manual of Style 17th edition (note)
- Elsevier - Harvard (with titles)
- IEEE
- Modern Humanities Research Association 3rd edition (note with bibliography)
- Modern Language Association 8th edition

Manage Styles...

Language: English (US)

Store Citations as:

- Fields (recommended)
Fields cannot be shared with LibreOffice.
The document must be saved as .doc or .docx.
- Bookmarks
Bookmarks can be shared between Word and LibreOffice, but may cause errors if accidentally modified and cannot be inserted into footnotes.
The document must be saved as .doc or .docx.

Use MEDLINE journal abbreviations
The "Journal Abbr" field will be ignored.

Automatically update citations
Disabling updates can speed up citation insertion in large documents. Click Refresh to update citations manually.

OK Cancel Help

Page 1 of 1 58 words English (United States) 100%

1. [Diaf S, Diaf D, Belhamei M, Haddadi M, Louche A. A meth hybrid PV/wind system. Energy Policy. 2007;35\(11\):5708-](#)

2. [Zhou W, Lou C, Li Z, Lu L, Yang H. Current status of resea solar-wind power generation systems. Appl Energy. 2010](#)

To change citation/reference style, use [Document Preferences](#) Icon



Practice 7

- In [MS Word](#), launch [Zotero](#)
- Add citations from the selected collection and choose style from [Document Preferences](#) window, select [Classic View](#) option
- Use [Add/Edit Citation](#) window, highlight a citation to add as a reference; and click on [OK](#); repeat 2 times
- Locate the cursor at the bottom of the text and click on the [Zotero Create Bibliography](#) icon to add the bibliography after the text

Find Saved Items in your Library or Collection - Search

To do a **Search** for items in the library or collection, the search will be inside the selected library



There are three **Search** options as shown below:

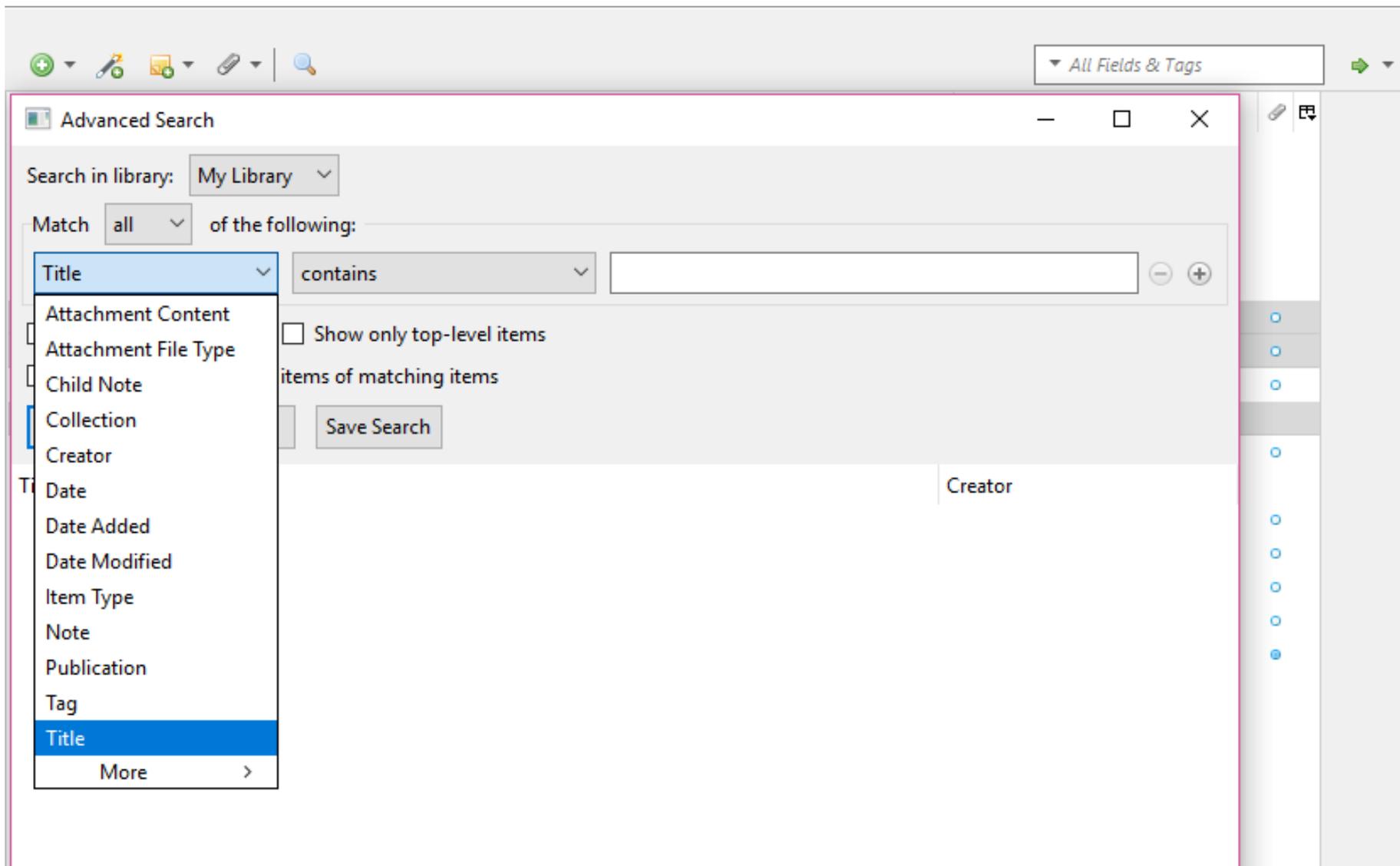


1. **Title, Creator, Year:** look up these three fields.
2. **All Fields & Tags:** look up all fields including tags and text in notes.
3. **Everything:** look up all fields, tags, text in notes, and indexed text in PDFs.

Find Saved Items in your Library or Collection - Advanced Search

[Advanced Search](#) can also be used for better control with more features to limit the searches.





Add Additional Citation Styles

- Zotero comes with a list of popular styles (e.g. Harvard, APA and Vancouver). However, many more styles are available through the online Zotero Style Repository at:
<http://www.zotero.org/styles>
- From Style Repository one may choose add the desired citation style.

Zotero Style Repository x +

← → ↻ https://www.zotero.org/styles

- [Academy of Management Discoveries](#) (2015-02-06 00:55:02)
- [Academy of Management Journal](#) (2015-02-06 00:34:01)
- [Academy of Management Learning and Education](#) (2015-03-19 02:36:13)
- [Academy of Management Perspectives](#) (2016-02-25 04:55:40)
- [Academy of Management Proceedings](#) (2015-02-06 00:55:02)
- [Academy of Management Review](#) (2016-09-28 13:09:49)
- [Accident Analysis and Prevention](#) (2018-07-26 12:01:10)
- [Accounting Forum](#) (2018-03-09 05:06:46)
- [Accounting History Review](#) (2014-09-05 06:14:52)
- [Accounting, Organizations and Society](#) (2018-03-09 05:06:46)
- [Accounts of Chemical Research](#) (2018-02-05 04:57:25)
- [Accreditation and Quality Assurance](#) (2014-05-18 01:40:58)
- [Achievements in the Life Sciences](#) (2018-03-09 05:06:46)
- [ACI Materials Journal](#) (2018-09-15 04:02:59)
- [ACI Structural Journal](#) (2018-10-18 02:56:33)

Zotero Connector

Add citation style to Zotero?

Cancel OK

What citation style to choose?

- Most journals refer to their citation style in their “Guidelines or Instructions to authors”
- For journals in health and life sciences Mulford Library provide instructions to authors for over 6,000 journals:
<http://mulford.meduohio.edu/instr/>

Register for a Free Account in Zotero

Register for a Free Account in Zotero enables one to:

- Sync and access your library from anywhere
- Allows joining groups
- Restore all attached files

Zotero | x +

https://www.zotero.org/user/register

zotero

Log In · Register

Upgrade Storage

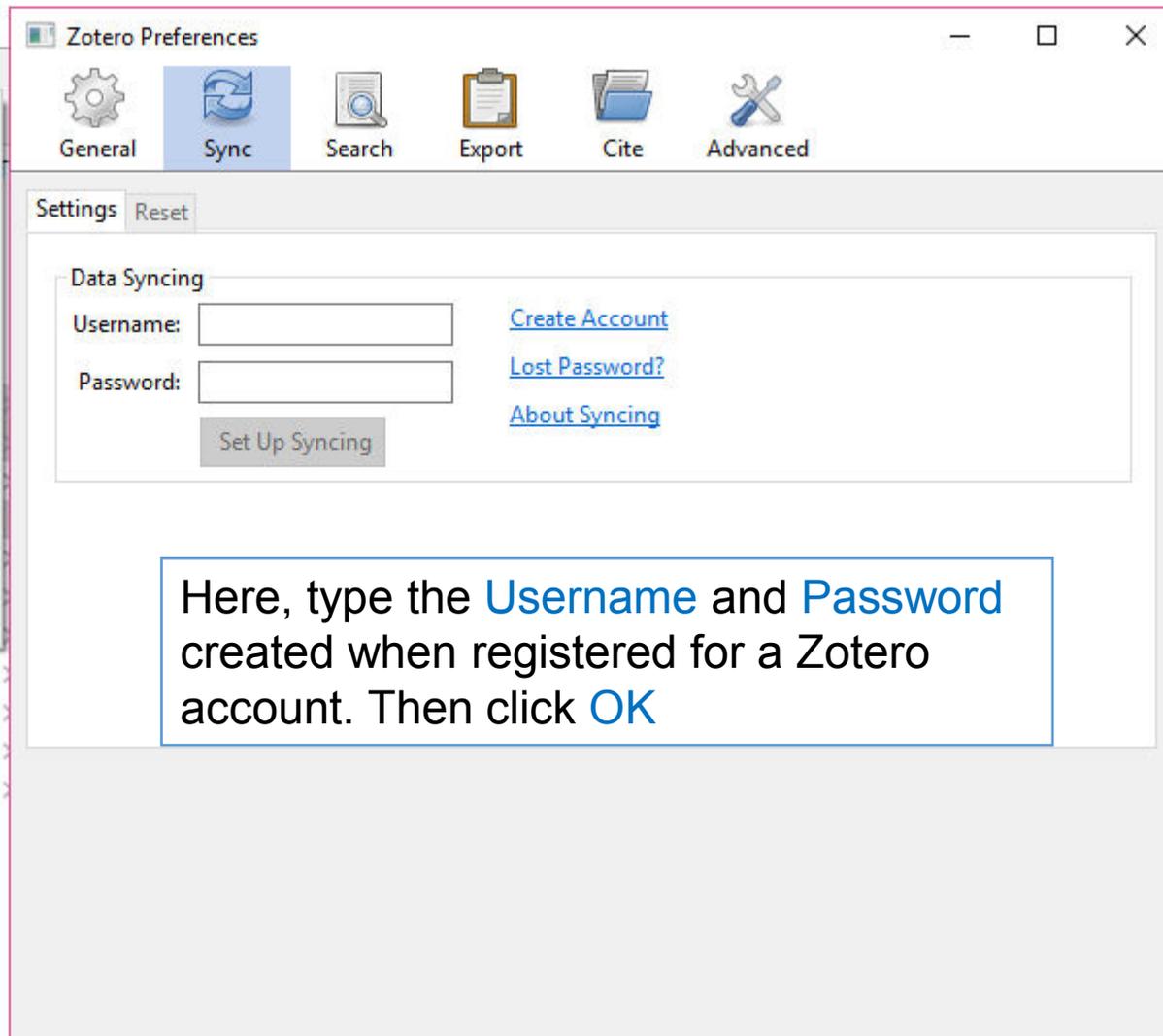
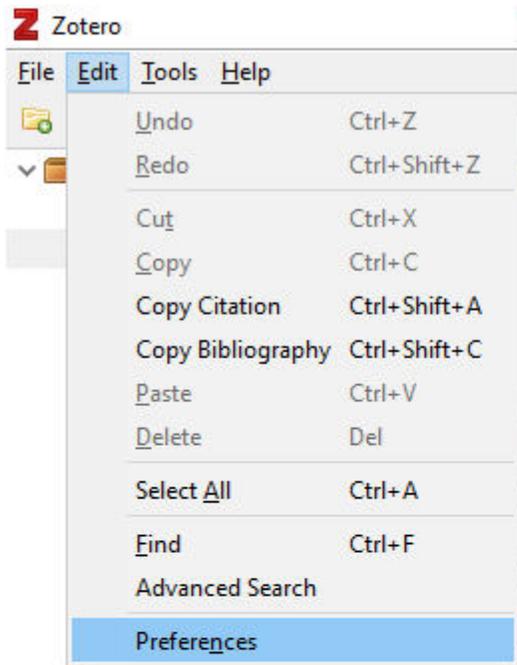
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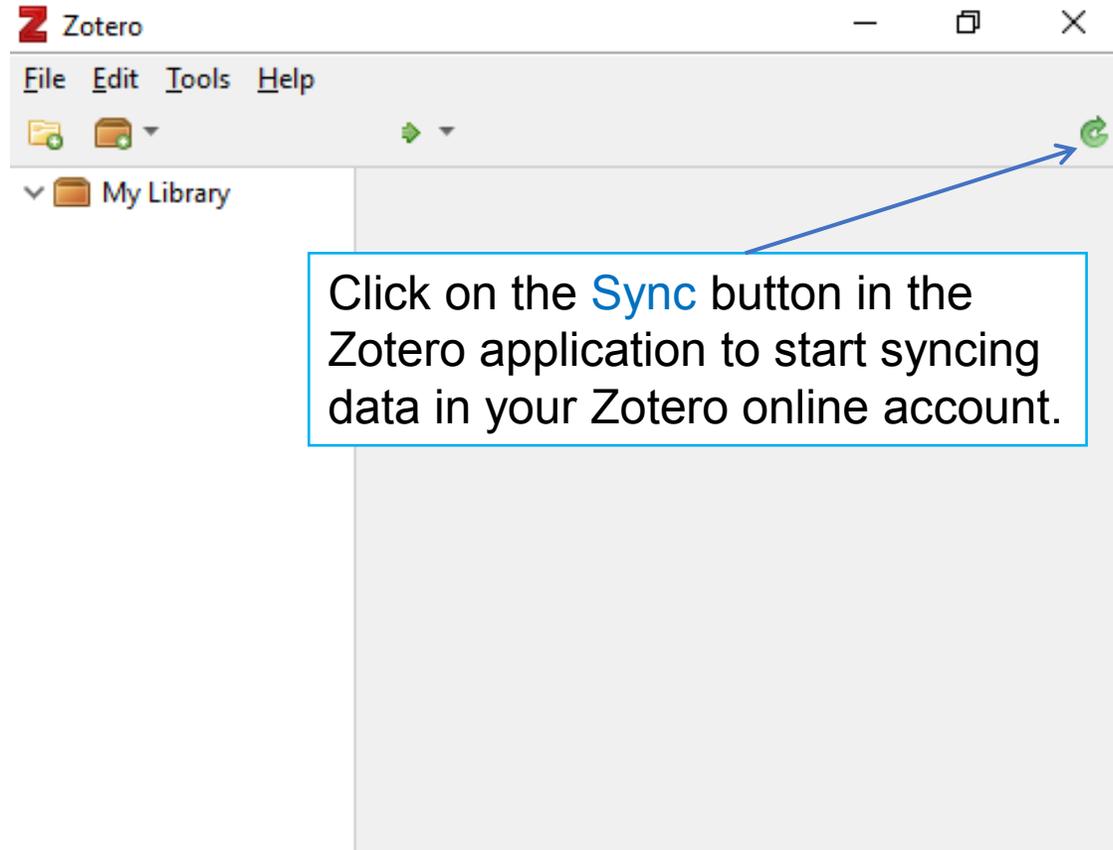
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If you haven't already created a Zotero account, please take a few moments to register now. It's a **free** way to [sync and access your library from anywhere](#), and it lets you join [groups](#) and [back up all your attached files](#).

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https://www.zotero.org/groups

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With groups, you can collaborate remotely with project members, set up web-based bibliographies for classes you teach, and so much more.

- **Share** your own work or sources you have discovered with others who are working in related areas.
- **Collaborate** with colleagues, publicly or privately, on ongoing research.
- **Discover** other people with similar interests and the sources they are citing.

The [Zotero Groups](#) is a useful option to explore.

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The **Documentation** displays the contents. The files have been updated for **Zotero 5.0** version

References

- <https://www.zotero.org/>
- <https://www.research4life.org/>