Note taking and knowledge management with Obsidian.md and Zotero

Guillaume Nibert

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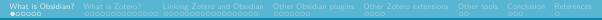
LINCS Workshop, IMT Palaiseau, France, Wednesday 15th February, 2023

Presentation Overview

- **1** What is Obsidian?
- **2** What is Zotero?
- **3** Linking Zotero and Obsidian
- **4** Other Obsidian plugins
- **5** Other Zotero extensions
- 6 Other tools
- 7 CONCLUSION

8 References





Presentation Overview

1 What is Obsidian?

- **2** What is Zotero?
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- 4 OTHER OBSIDIAN PLUGINS
- **5** Other Zotero extensions
- 6 OTHER TOOLS
- 7 CONCLUSION

8 **References**



What is Obsidian?



Obsidian¹ is a free note-taking software which has the following features:

- notes are in Markdown² format
- possibility to link notes together
- useful plugins³
- well documented⁴

¹Obsidian is a registered trademark of DYNALIST INC.

²Markdown: https://daringfireball.net/projects/markdown/

³Obsidian Plugins: https://obsidian.md/plugins

⁴Obsidian Help: https://help.obsidian.md/Obsidian/Index



Other information



Obsidian

- Proprietary software
- Cross-platform (Windows, macOS, Linux, Android, iOS)
- Local vault (can be synchronised in a cloud)



Let's move on to practice!

Link to the downloads

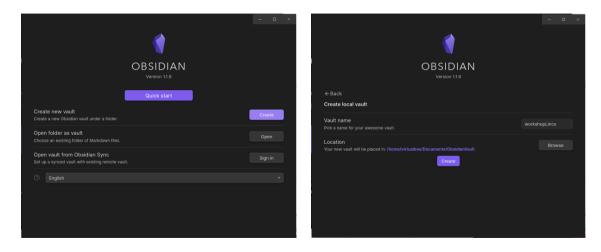


https://obsidian.md/download

Portable Linux app (Appimage)

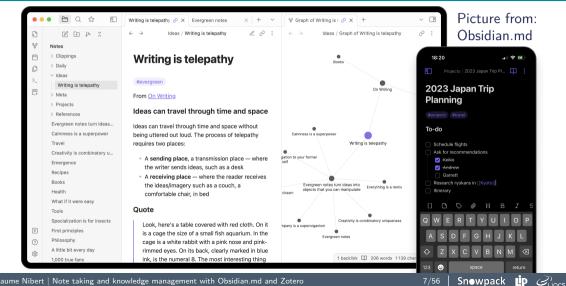


Let's move on to practice!





Let's move on to practice!

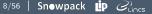


What is Zotero

1 What is Obsidian?

- 2 What is Zotero?
- **3** Linking Zotero and Obsidian
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8 **References**



What is Obsidian? What is Zotero? Linking Zotero and Obsidian Other Obsidian plugins Other Zotero extensions Other tools Conclusion References

What is Zotero?

zotero

- An open-source bibliographic management software $^{\rm 5}$
 - cross-platform (Windows, macOS, Linux, iOS)
 - online sync features
 - integrated PDF viewer

⁵Zotero is a registered trademark of the Corporation for Digital Scholarship.



What is Obsidian? What is Zotero? Linking Zotero and Obsidian Other Obsidian plugins Other Zotero extensions Other tools Conclusion References

What is Zotero?

zotero

An open-source bibliographic management software⁵

- cross-platform (Windows, macOS, Linux, iOS)
- online sync features
- integrated PDF viewer



free, closed-source, developed by $\mathsf{Elsevier}^6$



commercial, closed-source, developed by $\mbox{Clarivate}^7$

⁵Zotero is a registered trademark of the Corporation for Digital Scholarship.
 ⁶Mendeley is a registered trademark of ELSEVIER LIMITED.
 ⁷EndNote is a registered trademark of Clarivate.





Installation

Link to the downloads



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

Linux Ubuntu installation (via Flatpak)

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sudo apt install flatpak
flatpak remote-add --if-not-exists flathub \
    https://flathub.org/repo/flathub.flatpakrepo
flatpak install flathub org.zotero.Zotero
flatpak run org.zotero.Zotero
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User Interface & Adding references by drag-n-dropping a document

Article (Holland et al. 2023): https://arxiv.org/ abs/2302.02012



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Adding references by importing a document

Article (Holland et al. 2023): https://arxiv.org/abs/2302.02012



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DOI: 10.1109/ICECA55336.2022.10009524 (Nkongolo et al. 2022)



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Zotero Connectors: www.zotero.org/download/connectors





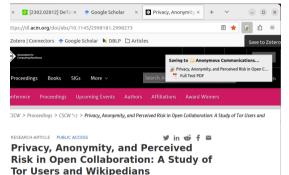
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Zotero Connectors: www.zotero.org/download/connectors



Article (Forte, Andalibi, and Greenstadt 2017): dl.acm.org/doi/abs/10.1145/2998181.2998273





Authors: 🚯 Andrea Forte, 🥘 Nazanin Andalibi, 🕘 Rachel Greenstadt Authors Info & Claims

CSCW '17: Proceedings of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing • February 2017 • Pages 1800-1811 • https://doi.org/10.1145/2998181.2998273

Published: 25 February 2017 Publication History





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Info Notes Tags Related Item Type Conference Paper Title Privacy, Anonymity, and Perceived Risk in Open Collaboration: A Study of Tor Users and Wikipedians Author Forte, Andrea - - + Author Andalibi Nazanin - - + Author Greenstadt, Rachel - - + (...) Abstract This qualitative study examines priv... Date February 25, 2017 m d v Proceedings Title Proceedings of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing Conference Name Place New York, NY, USA Publisher Association for Computing Machinery Volume Pages 1800-1811 Series CSCW '17 Language DOI 10.1145/2998181.2998273 ISBN 978-1-4503-4335-0 Short Title Privacy, Anonymity, and Perceived Risk in Open Collaboration URL https://doi.org/10.1145/2998181.29... Accessed 2/14/2023 Archive Loc. in Archive Library Catalog ACM Digital Library Call Number

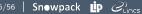


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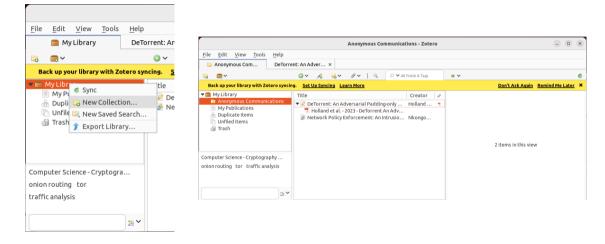
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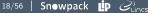
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Collections





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Register

Register for a free account + Log in to your account + Forgot your password?

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.

Zotero Sync: www.zotero.org/user/register



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By using Zotero, you agree to its Terms of Service.



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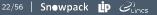
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Setting up Zotero

- **1** What is Obsidian?
- **2** What is Zotero?
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Zotero Extension: Better BibTeX; the connection with Obsidian is coming...

Better BibTex



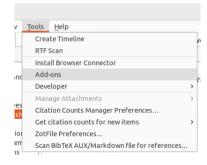
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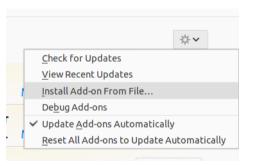
- usable by Obsidian.md
- generation of citekeys without problems
- UTF-8 Unicode

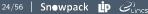


Extension: Better BibTeX; the connection with Obsidian is coming...

Download link: github.com/retorquere/zotero-betterbibtex/releases/latest







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Extension: Better BibTeX; the connection with Obsidian is coming...

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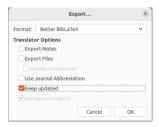
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Export a collection to a BetterBibLaTeX file

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Let suppose the file is saved in:

/home/[username]/Documents/references.bib



Time to go back to Obsidian

Time to go back to Obsidian... and see..



Obsidian Citation Plugin

Obsidian Citation Plugin



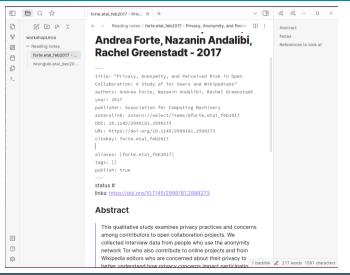
https://github.com/hans/obsidian-citation-plugin

- reads Better BibLaTex files (as well as CSL-JSON)
- create or open a note based on a reference and a template : Ctrl + Shift + O
- insert a note reference : Ctrl + Shift + E



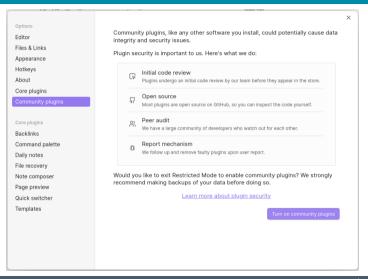
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Obsidian Citation Plugin: final result





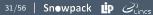
Obsidian Citation Plugin - Installation: enable Community Plugins



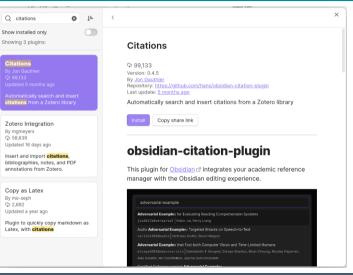


Obsidian Citation Plugin - Installation: enable Community Plugins

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Files & Links Appearance	Community plugins Browse and install community plugins made by our amazing community.	Browse	
Hotkeys About	Current plugins You currently have 0 plugins installed.		
Core plugins Community plugins	Debug startup time Show a message with how long each plugin took to initialize when starting the app.		
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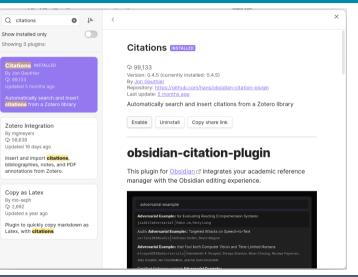
Obsidian Citation Plugin - Installation: search for the Citation Plugin

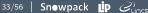




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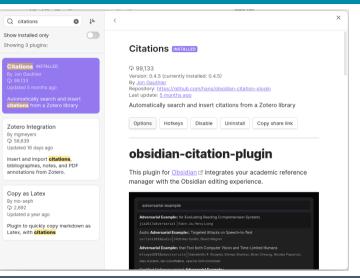
Obsidian Citation Plugin - Enabling the plugin

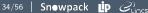




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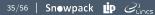
Obsidian Citation Plugin - Setting up the plugin





Obsidian Citation Plugin - Setting up the plugin

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Obsidian Citation Plugin - Creating a literature note template

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Advanced users may also refer to the {{entry}} variable, which contains the full	
object representation of the reference as used internally by the plugin. See the plugin documentation for information on this object's structure.	
	The following settings determine how the notes and links created by the plugin will be rendered. You may specify a custom template for each type of content. Templates are interpreted using <u>Handlebars</u> syntax. You can make reference to the following variables:

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Obsidian Citation Plugin - Creating a literature note template

Options	Literature note templates	
Editor Files & Links Appearance Hotkeys About Core plugins Community plugins	Literature note title template	{(citekey)} - {(title)}, {(authorStrine title: "{(title)}" authors: ((authorString)) year: ((year)) publisher: ((publisher)) zoterolink: ((zoterSelectUR))
Core plughs Backlinks Command palette Daily notes File recovery Note composer Page preview Quick switcher Templates	Literature note content template	DOI: ((DOI)) URL: ((URL)) allases: {(citekey)} allases: {(citekey)} upublish: true
Community plugins Citations		
	Markdown citation template	es



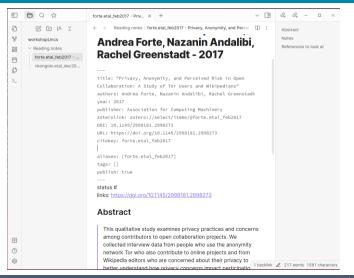
Obsidian Citation Plugin - Creating a literature note



Create/Open a literature note: Ctrl + Shift + OInsert a reference to a literature note: Ctrl + Shift + E



And voilà!



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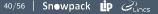
39/56 Snewpack LP Chines

 What is Obsidian?
 What is Zotero?
 Linking Zotero and Obsidian
 Other Obsidian plugins
 Other Zotero extensions
 Other tools
 Conclusion
 References

Some other useful **Obsidian** plugins

- **1** What is Obsidian?
- **2** What is Zotero?
- **3** Linking Zotero and Obsidian
- **4** OTHER OBSIDIAN PLUGINS
- 5 Other Zotero extensions
- 6 OTHER TOOLS
- 7 CONCLUSION

8 **References**



What is Obsidian? What is Zotero? Linking Zotero and Obsidian Other Obsidian plugins Other Zotero extensions Other tools Oco Conclusion References

Some other useful **Obsidian** plugins

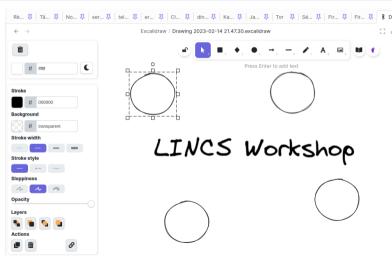
Excalidraw Plugin



github.com/zsviczian/obsidianexcalidraw-plugin

Easily draw sketches, diagrams, drawings...

Available on the Community Plugin Store.





What is Obsidian? What is Zotero? Linking Zotero and Obsidian Other Obsidian plugins Other Zotero extensions Other tools Conclusion References

Some other useful **Obsidian** plugins

Editing Toolbar Plugin



```
github.com/cumany/obsidian-
editing-toolbar
```

Add a Google Docs style toolbar

Available on the Community Plugin Store.

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LINCS Workshop

Bonjour



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Paste

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Some other useful **Obsidian** plugins

Table Enhancer Plugin



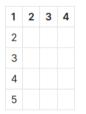
github.com/Stardusten/obtable-enhancer

WYSIWYG⁸ Table Editor

Not available on the Community Plugin Store.

⁸What you see is what you get.

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he			



check out

rivacy, Anonymity, a

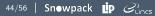


Some other useful **Obsidian** plugins

Manual Installation (on Linux):

```
mkdir ob-table-enhancer
cd ob-table-enhancer/
wget https://github.com/Stardusten/ob-table-enhancer/releases/download/0.5.9/
    main.js \
https://github.com/Stardusten/ob-table-enhancer/releases/download/0.5.9/
    manifest.json \
https://github.com/Stardusten/ob-table-enhancer/releases/download/0.5.9/styles
    .css
cd ..
mv ob-table-enhancer/ ~/Documents/ObsidianVault/workshopLincs/.obsidian/
    plugins
```

Source: https://github.com/Stardusten/ob-table-enhancer#how-to-install



What is Obsidian? What is Zotero? Linking Zotero and Obsidian Other Obsidian plugins Other Zotero extensions Other tools Conclusion References on one of the tools one of the tools one of the tools of tools of tools of tools of

Obsidian: Miscellaneous

Showing metadata in reading view (Show frontmatter):

-

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45/56

options	General	
Editor		
Files & Links	Default view for new tabs The default view that a new markdown tab gets opened in.	Editing view
Appearance	The default view that a new markaown tab gets opened in:	
Hotkeys	Default editing mode	Live Preview
About	The default editing mode a new tab will start with.	Live Fleview
Core plugins	Editor status	_
Community plugins	Display and change the current editor mode in the status bar.	
Core plugins	Display	
Backlinks	Readable line length	
Command palette	Limit maximum line length. Less content fits onscreen, but long blocks of text are more readable.	
Daily notes	Objet Kara karala	
File recovery	Strict line breaks Markdown specs ignore single line breaks in reading view. Turn this off to make single line breaks visible.	C
Note composer		
Page preview	Show frontmatter	
Quick switcher	In reading view, show the frontmatter metadata section. Turn off to hide that section.	

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General

Obsidian: Miscellaneous

Showing metadata in reading view (Show frontmatter):

Metadata

 Title
 Privacy, Anonymity, and Perceived Risk in Open Collaboration: A Study of Tor Users and Wikipedians

 Authors
 Andrea Forte, Nazanin Andalibi, Rachel Greenstadt

 Year
 2017

 Publisher
 Association for Computing Machinery

 Zoterolink
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 DOI
 10.1145/2998181.2998273

 URL
 https://doi.org/10.1145/2998181.2998273

 Citekey
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 Publish
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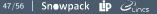
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links: https://doi.org/10.1145/2998181.2998273



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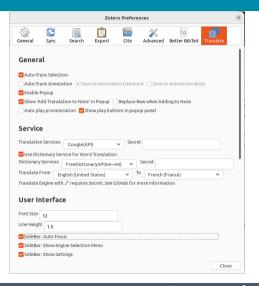


Zotero PDF Translate



github.com/windingwind/zotero-pdftranslate

Translate some selected text into the language of your choice.





Zotero PDF Translate



github.com/windingwind/zotero-pdf-translate

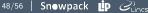
Translate some selected text into the language of your choice.

ABSTRACT

This qualitative study examines privacy practices and concerns among contributors to open collaboration projects. We collected interview data from people who use the

concerns impact i e projects. We found open collaboration p violence, harassment c	Cette étude qualitative examine les pratiques de confidentialité et les préoccupations des contributeurs aux projets de collaboration ouverte.	online cerned privacy pration tors to llance, ss, and ational
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and technical strategies for mitigating these risks and how

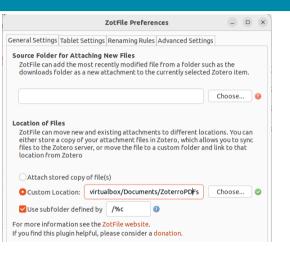


Zotfile



zotfile.com

Manage Zotero Data Profile and Zotero Attachments (PDF renaming among others⁹).



⁹move attachments, extract PDF annotations, synchronisation of PDFs with iPad/Android Tablet...



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Format for Patents	
{%a_}{%y_}{%t}	
Na = author last name; Ny = year; Wt = ItRe; Ng = journal; use {} for an optional group and for exclusive match For a full list of place holder see the ZotFile website.	es
Additional Settings Delimiter between multiple authors _	
Add user input to filename. Default is Paper	
Change to lower case	
Replace blanks	
Truncate title after . or : or ?	
Maximum length of title 80	
Maximum number of authors 2	
Number of authors to display when authors are omitted	
Add suffix when authors are omitted et al	
	Close

⁹move attachments, extract PDF annotations, synchronisation of PDFs with iPad/Android Tablet...



Zotfile



zotfile.com

Manage Zotero Data Profile and Zotero Attachments (PDF renaming among others⁹).

ZotFile Preferences –		×
General Settings Tablet Settings Renaming Rules Advanced Settings		
Other Advanced Settings		
Automatically rename new attachments Always rename		~
Ask user when attaching new files		
Ask user to (batch) rename or move 2 or more attachments.		
Remove special characters (diacritics) from filename		
Only work with the following filetypes pdf,doc,docx,txt,rtf,djvu,ep	Jb	
Add Saved Searches		
Attachments on Tablet Modified Attachments on Tablet		

⁹move attachments. extract PDF annotations, synchronisation of PDFs with iPad/Android Tablet...

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Privacy, *i*

Some other useful Zotero extensions

Zotero Citation Counts Manager



github.com/eschnett/zoterocitationcounts

Retrieves the number of citations¹⁰ associated with an article and places it in an extra metadata field.

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	🚰 Translate Abstract		Get Semantic Scholar citation count	

 $^{10}\mbox{from Crossref},$ Inspire HEP, NASA/ADS and/or Semantic Scholar



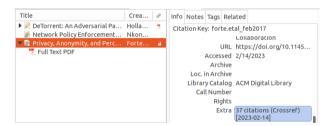
Zotero Citation Counts Manager



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Retrieves the number of citations¹⁰ associated with an article and places it in an extra metadata field.

 $^{\rm 10}{\rm from}$ Crossref, Inspire HEP, NASA/ADS and/or Semantic Scholar





Other tools

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Other tools (non-exhaustive list)

. . .

Google Scholar (academic literature search engine): https://scholar.google.com/ Google Patents (patent search engine): https://patents.google.com/ DBLP (computer science bibliography): https://dblp.org/ IEEE Xplore (database of scientific papers in the fields of computer science, electrical and electronic engineering): https://ieeexplore.ieee.org/Xplore/home.jsp ACM Digital Library (database of scientific papers in the fields of computer science and information technology): https://dl.acm.org/ HAL (open archive, French project): https://hal.science/ Springer Nature (publisher): https://search.springernature.com/ Elsevier (publisher): https://www.elsevier.com/ Zotero Bib (bibliography generator¹¹): https://zbib.org/

¹¹from "URL, ISBN, DOI, PMID, arXiv ID, or title"



Conclusion

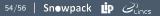
- **1** What is Obsidian?
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Conclusion

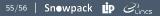
- Obsidian
- Zotero
- Plugins & extensions
- Tools





Thank you!

Thank you!



References

- Forte, Andrea, Nazanin Andalibi, and Rachel Greenstadt (Feb. 25, 2017). "Privacy, Anonymity, and Perceived Risk in Open Collaboration: A Study of Tor Users and Wikipedians". In: CSCW '17. New York, NY, USA: Association for Computing Machinery, pp. 1800–1811. ISBN: 978-1-4503-4335-0. DOI: 10.1145/2998181.2998273. URL: https://doi.org/10.1145/2998181.2998273 (visited on 02/14/2023).
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- Nkongolo, Mike et al. (Dec. 1, 2022). "Network Policy Enforcement: An Intrusion Prevention Approach for Critical Infrastructures". In: 2022 6th International Conference on Electronics, Communication and Aerospace Technology. 2022 6th International Conference on Electronics, Communication and Aerospace Technology (ICECA). Coimbatore, India: IEEE, pp. 686–692. ISBN: 978-1-66548-271-4. DOI: 10.1109/ICECA55336.2022.10009524. URL: https://ieeexplore.ieee.org/document/10009524/ (visited on 02/14/2023).

