INTRODUCTION OF

zotero

黄思琪 & 李谨杰

2022年4月25日

Organize
How to organize all the items in Zotero.

Notes
How to take notes in Zotero.

Cite
How to cite papers through Zotero.

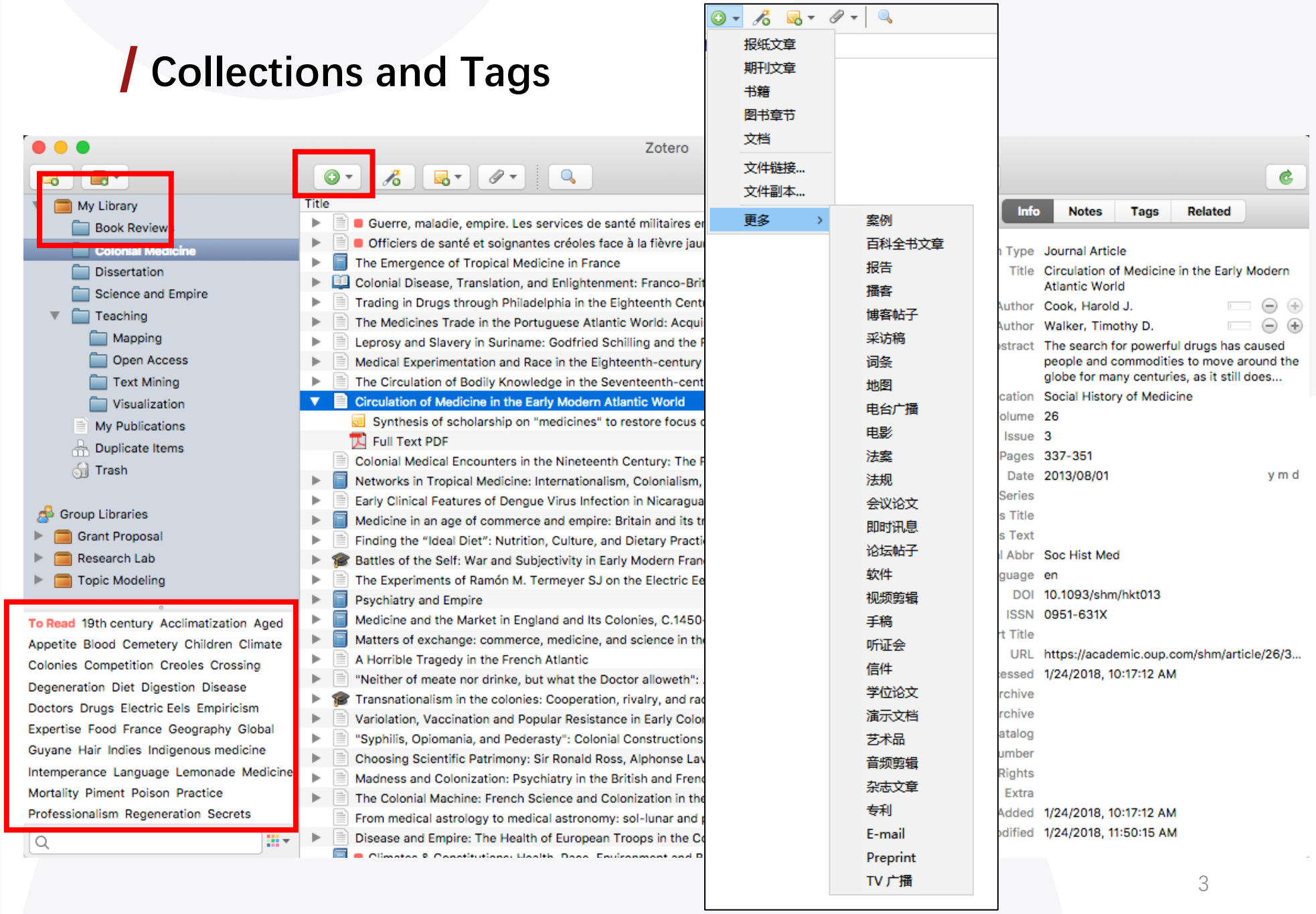
Plugins
Several useful plugins for Zotero.

Collaborate
How to collaborate through Zotero.

zotero

/ Collections and Tags

- **Organization**
- Notes
- Citation
- Plugins
- Collaboration

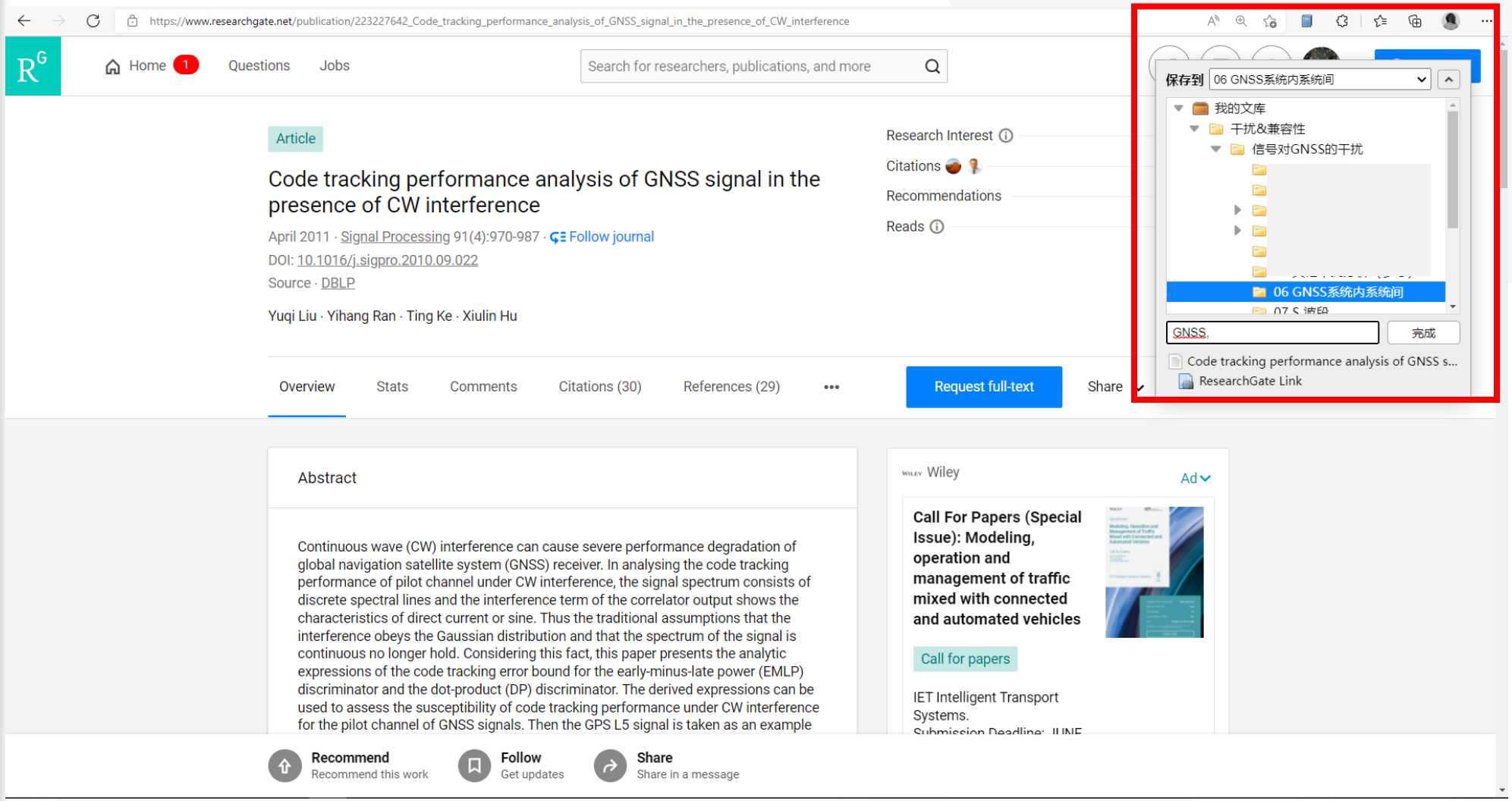


zotero

/ Web page

做个示范

- **Organization**
- Notes
- Citation
- Plugins
- Collaboration



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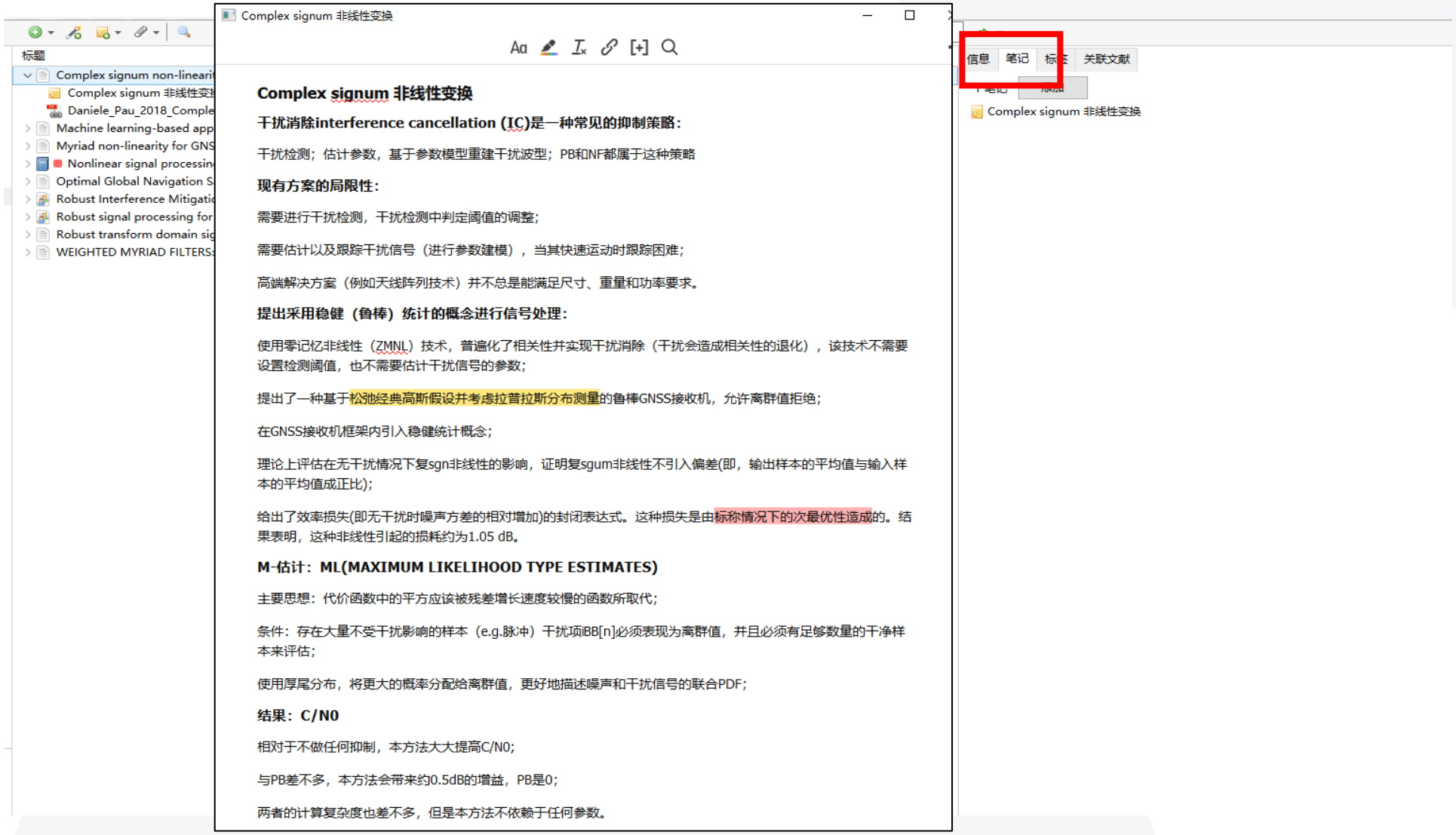
/ Take notes

- Organization
- **Notes**
- Citation
- Plugins
- Collaboration



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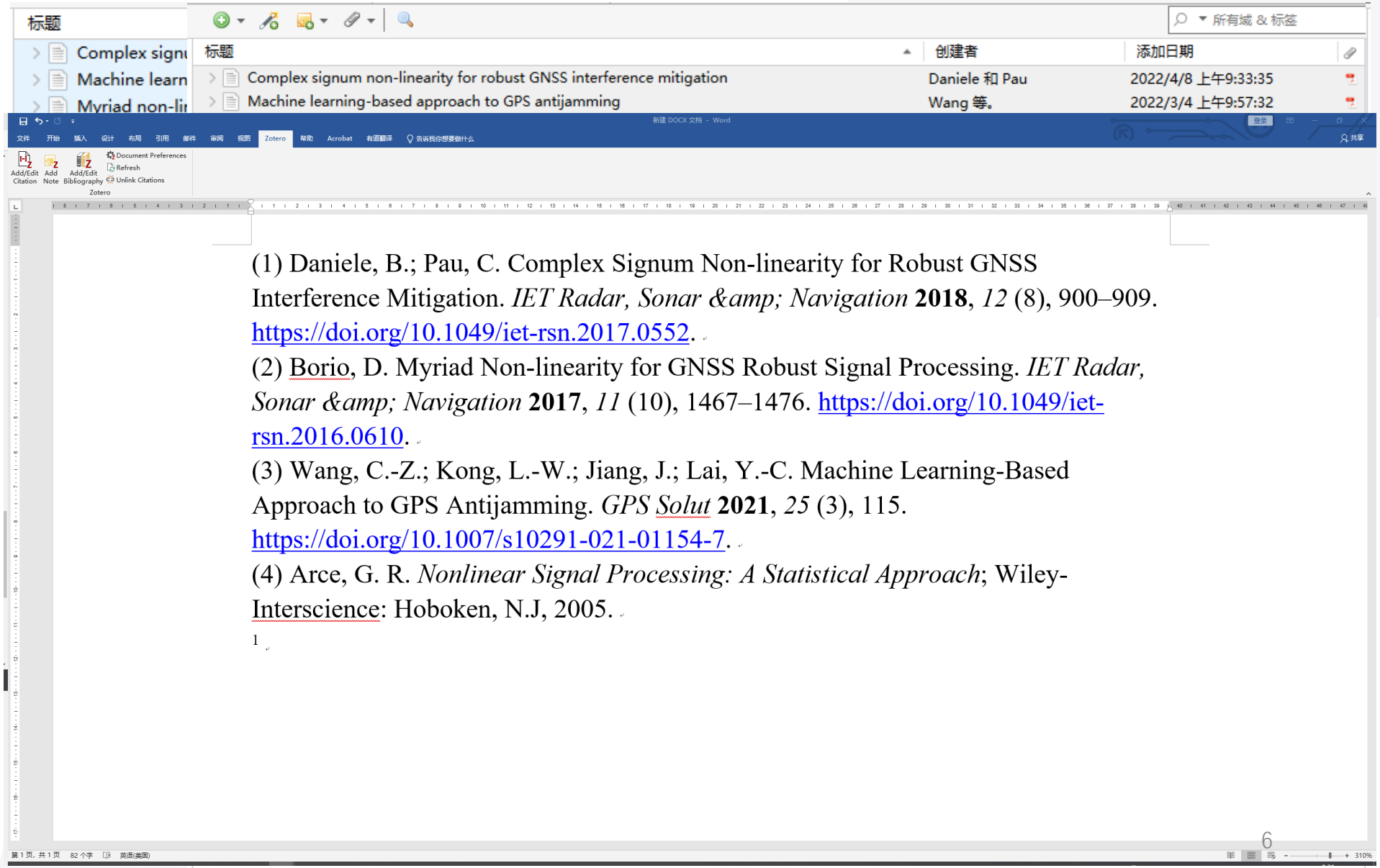
- Organization
- Notes
- **Citation**
- Plugins
- Collaboration

/ Citation in Word



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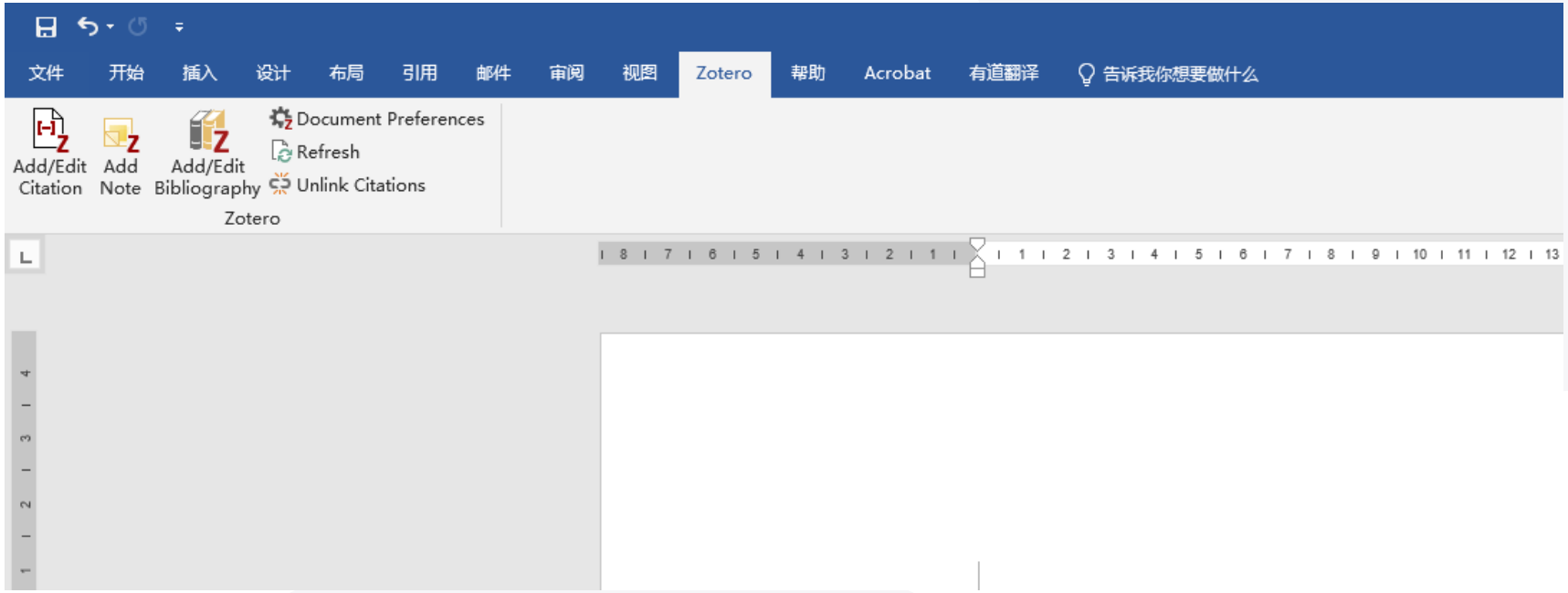
- Organization
- Notes
- **Citation**
- Plugins
- Collaboration

Citation in Word

北航论文：GB7714-87



添加/编辑引文		在光标位置添加新引文或编辑文档中的现有引文。
添加/编辑参考书目		在光标位置插入参考书目或编辑现有的参考书目。
文档首选项		打开“文档首选项”窗口，例如更改引文样式。
刷新		刷新所有引文和参考书目，更新Zotero库中已更改的任何项目元数据。
取消链接引文		通过删除字段代码取消链接文档中的Zotero引用。这可以防止引用和参考书目的任何进一步的自动更新。 请注意，删除字段代码是**不可逆转的**，通常只能在文档的最终副本中完成。

zotero

Overleaf

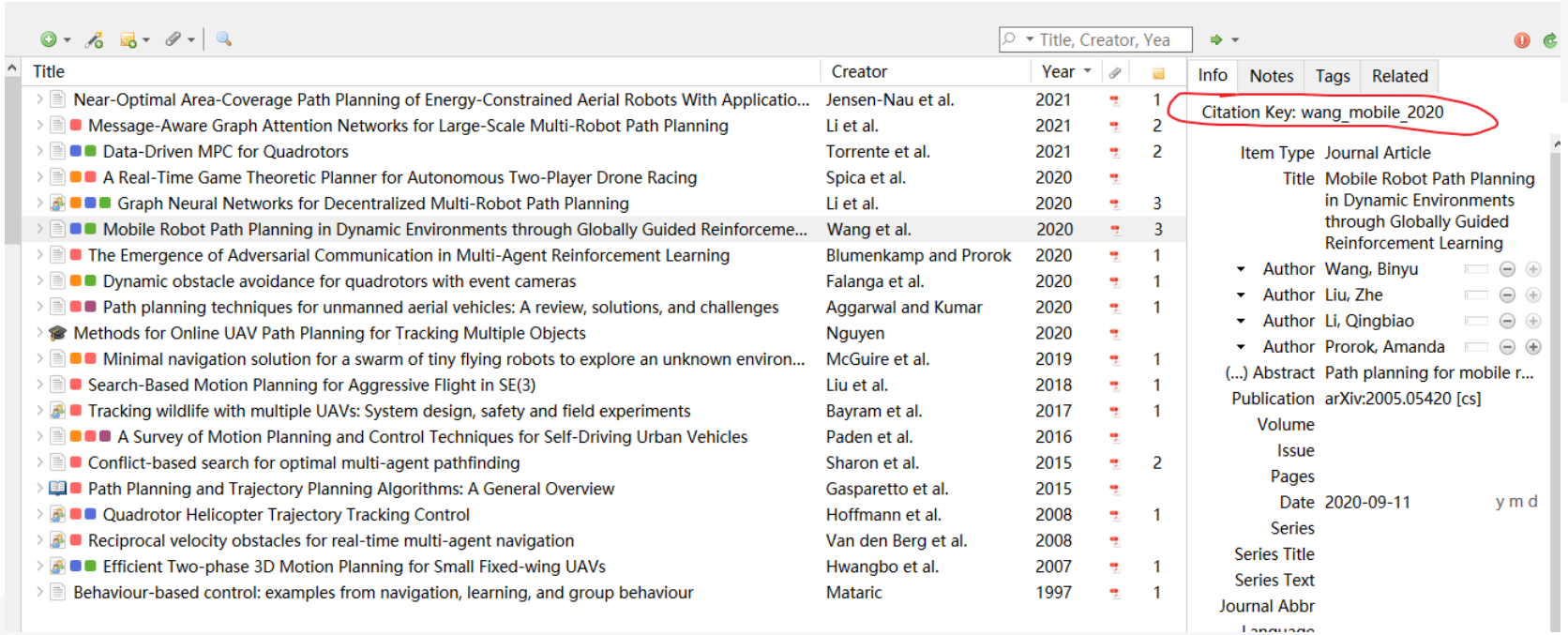
/ Citation in LaTeX

- Organization
- Notes
- **Citation**
- Plugins
- Collaboration

Better BibTex for Zotero

Make Zotero useful for us LaTeX hol... More

Disable Remove



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Organization

Notes

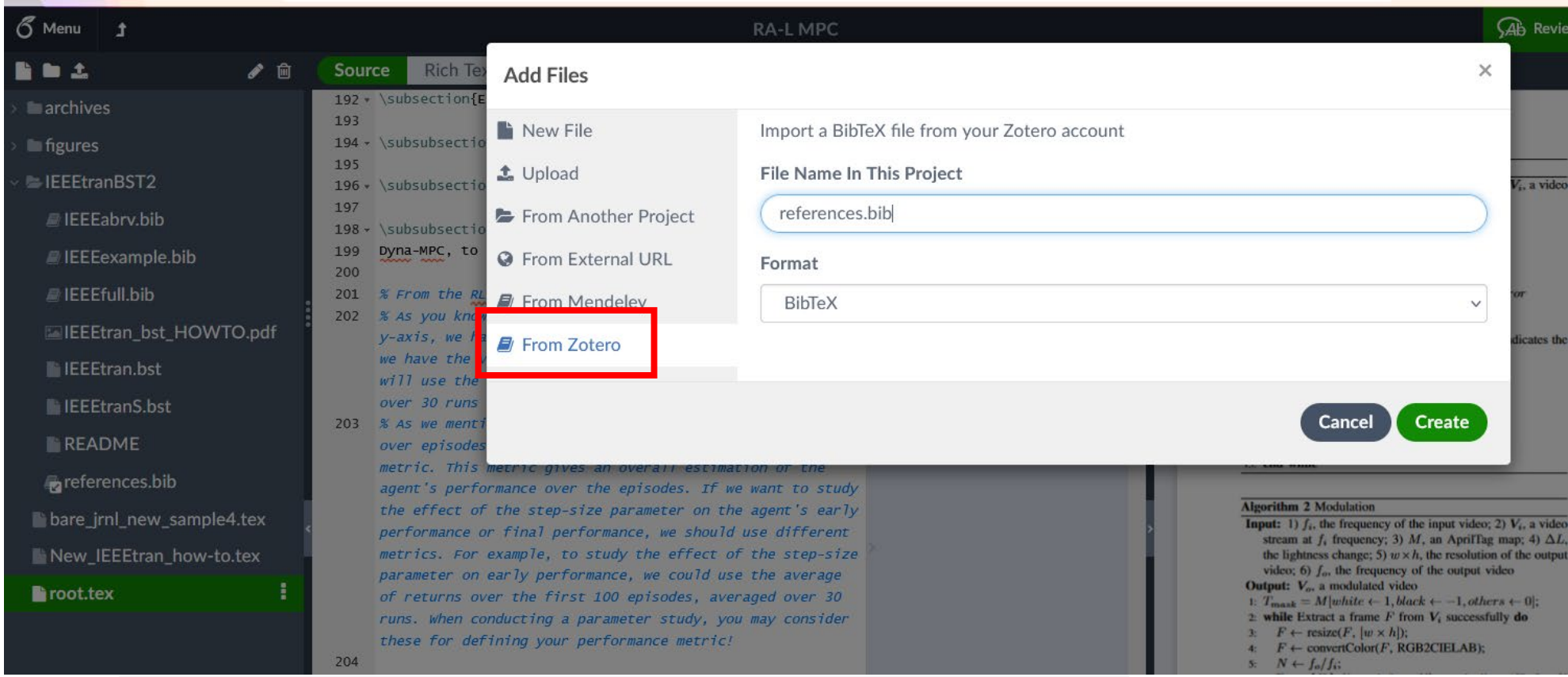
Citation

Plugins

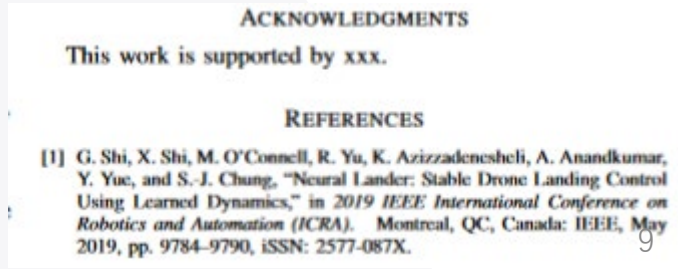
Collaboration

/ Citation in LaTeX

Overleaf




```
76  \section{Related Work}
77
78  cite \cite{shi_neural_2019}
79
```



ACKNOWLEDGMENTS

This work is supported by xxx.

REFERENCES

[1] G. Shi, X. Shi, M. O'Connell, R. Yu, K. Azizzadenesheli, A. Anandkumar, Y. Yue, and S.-J. Chung, "Neural Lander: Stable Drone Landing Control Using Learned Dynamics," in *2019 IEEE International Conference on Robotics and Automation (ICRA)*. Montreal, QC, Canada: IEEE, May 2019, pp. 9784–9790, iSSN: 2577-087X.

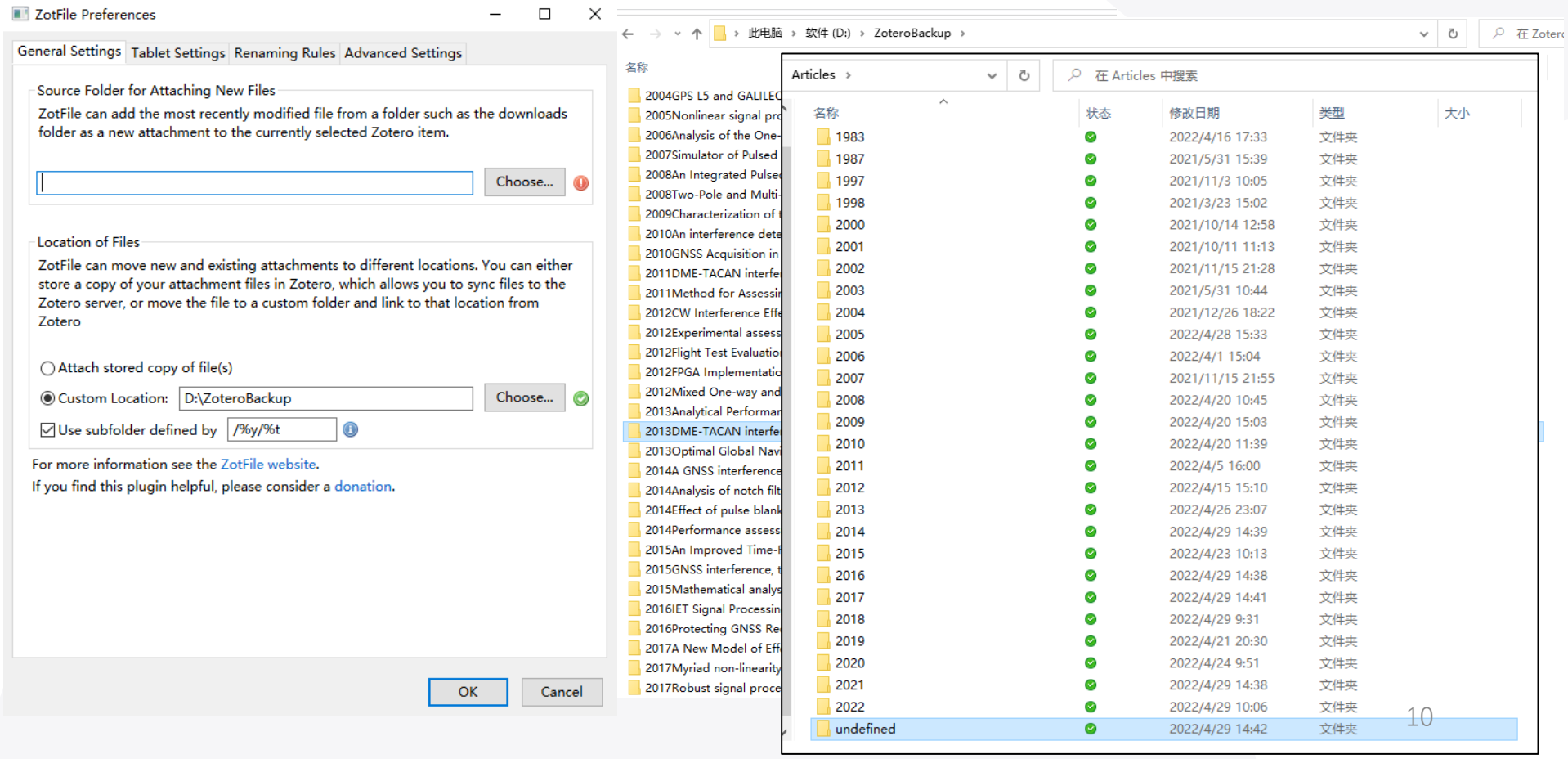
zotero

- Organization
- Notes
- Citation
- **Plugins**
- Collaboration

/ Zotfile

ZotFile
Advanced PDF management for Zotero

- Manage your attachments: automatically rename, move, and attach PDFs (or other files) to Zotero items.



zotero

- Organization
- Notes
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- **Plugins**
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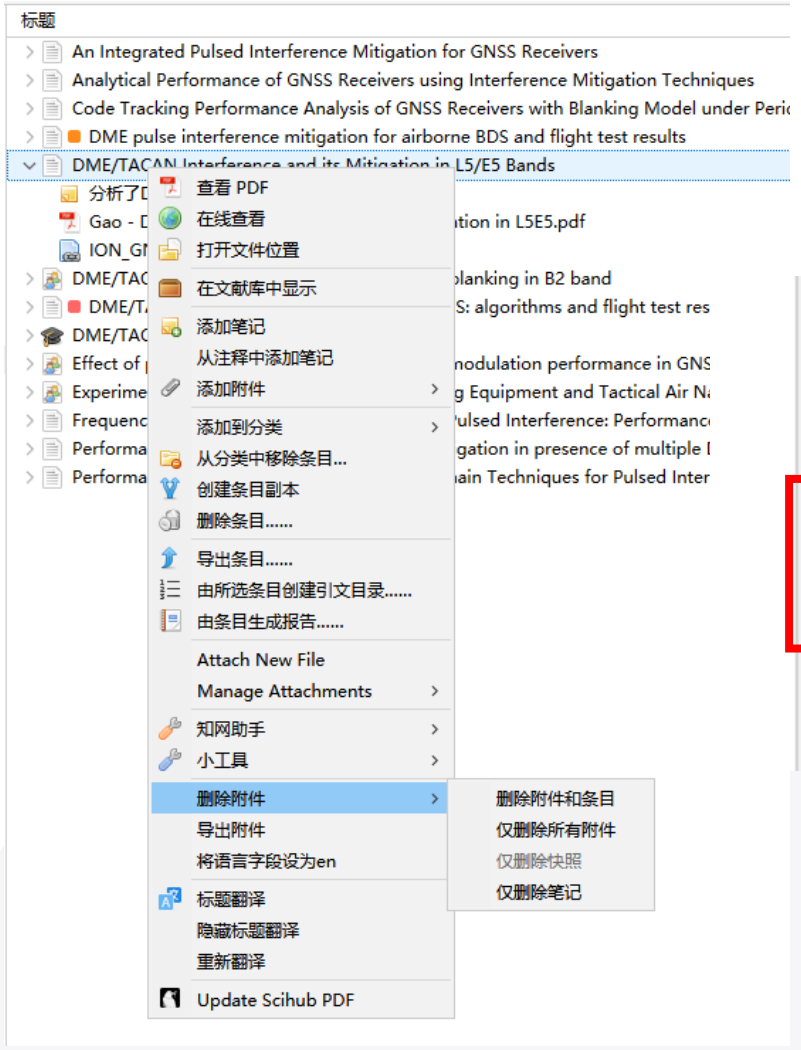
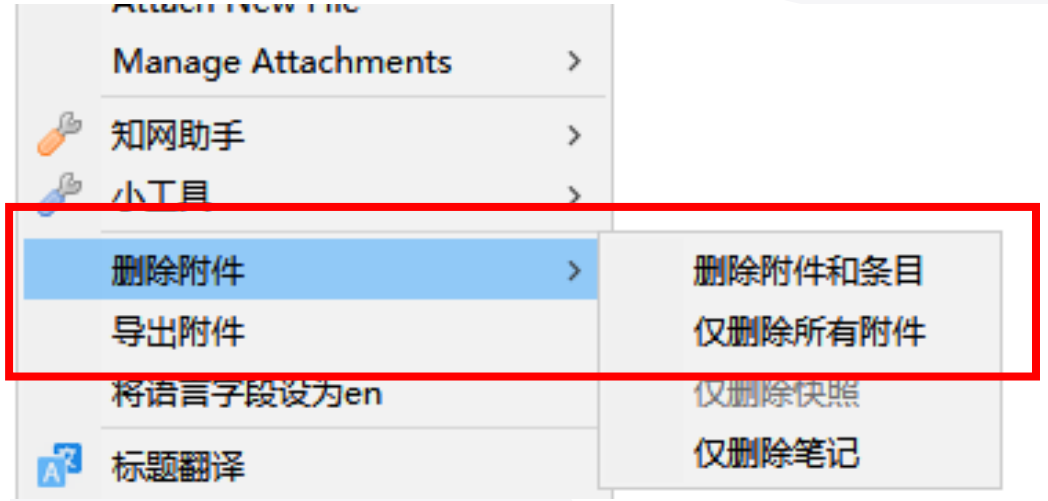
/ Delitem

Delitem
删除条目的同时删除附件

- Delete the item and all its attachments.





zotero

- Organization
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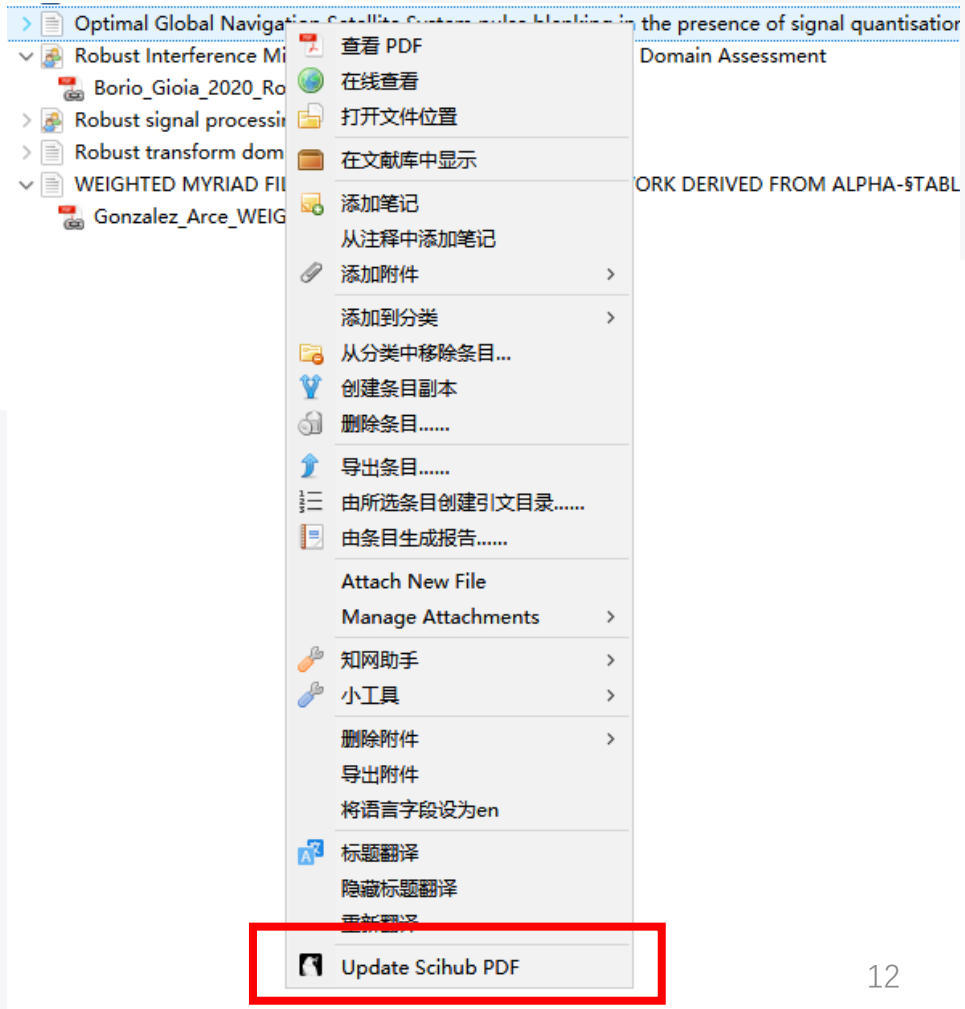
/ Zotero_scihub

Sci-Hub Plugin for Zotero
Download papers and books by DOI from Sci-Hub

- Directly download paper from Sci-Hub.
- Quick and convenient



zotero

- Organization
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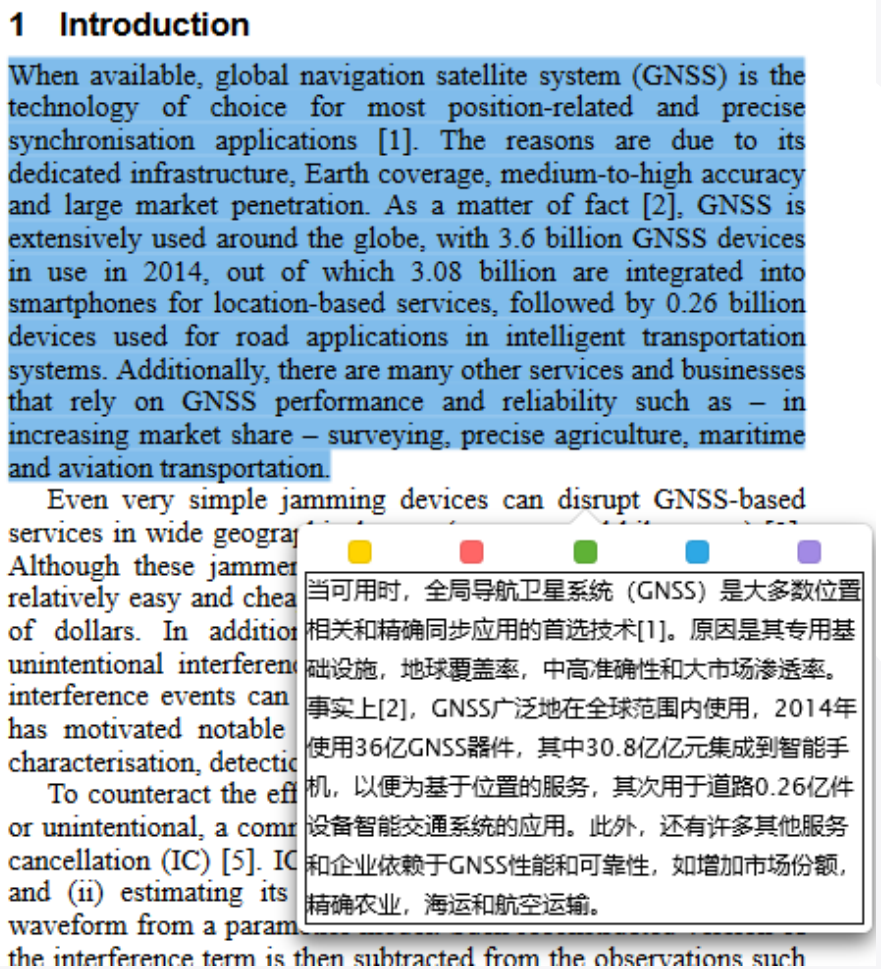
/ Zotero_pdf_translate

Zotero PDF Translate
This is an add-on for [Zotero 6](https://www.zotero.org/).

- Translate the selected sentences into Chinese.



zotero

- Organization
- Notes
- Citation
- **Plugins**
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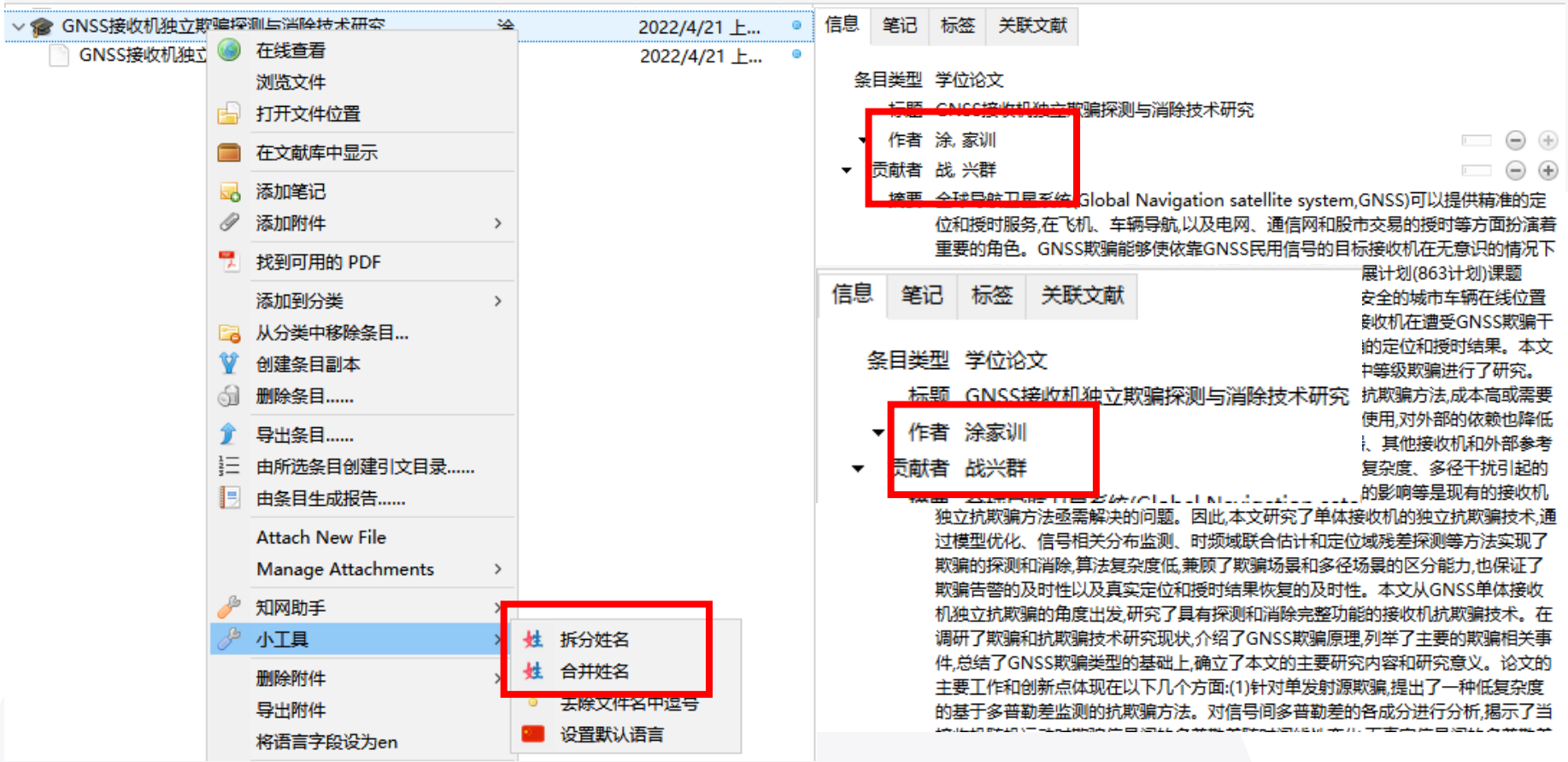
/ Jasminum

Jasminum
一个简单的 Zotero 中文插件

- Obtain relevant information from CNKI.



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- Organization
- Notes
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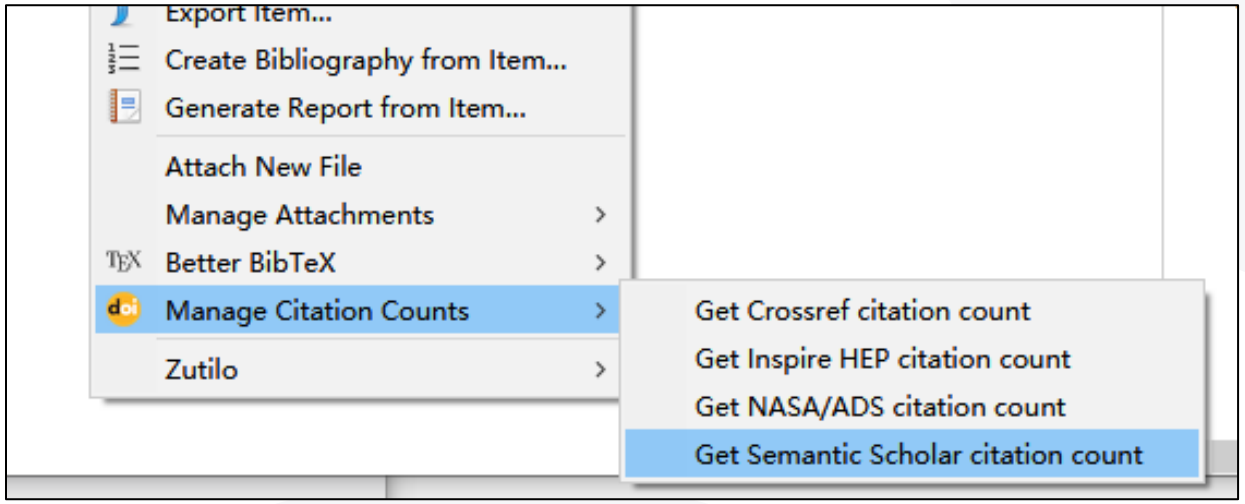
/ Zotero Citation Counts Manager

Zotero Citation Counts Manager
Automatically fetch and update citation...



Extra 1307 citations (Semantic Scholar/DOI) [2022-04-20]
929 citations (Crossref) [2022-04-20]
ISSN: 1050-4729

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- Organization
- Notes
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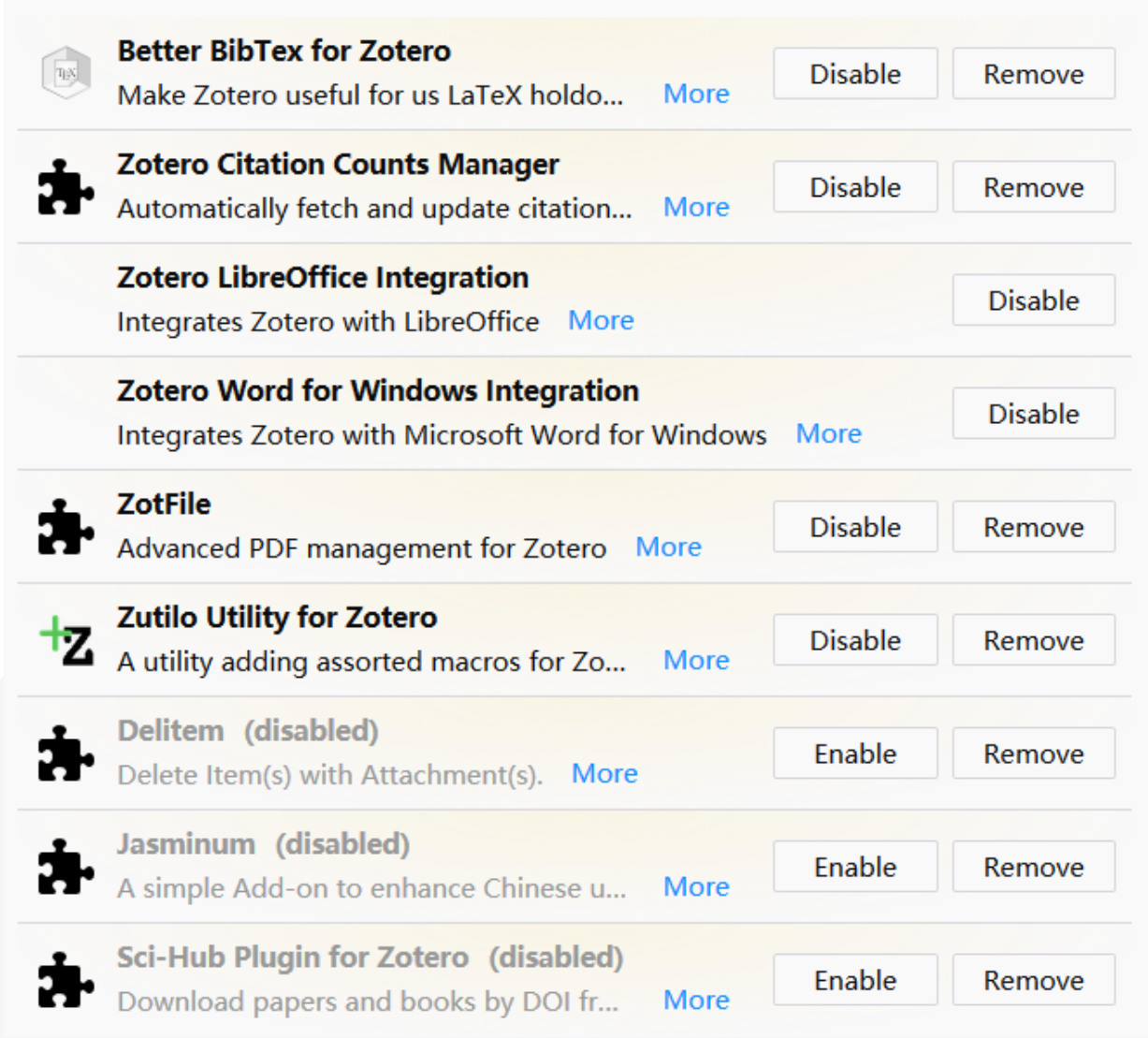
/ Summary



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Organization

Notes

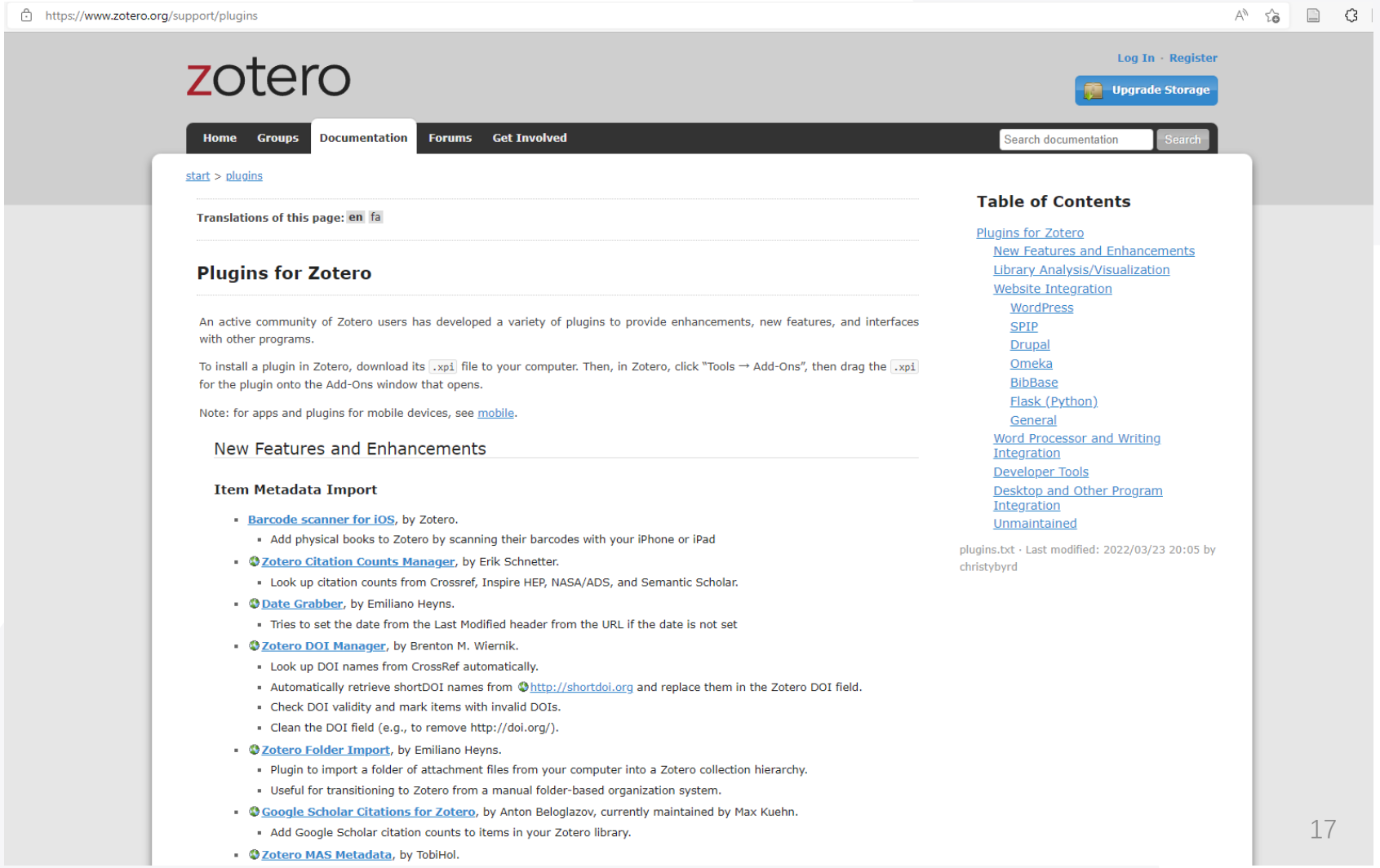
Citation

Plugins

Collaboration

/ Others

- https://www.zotero.org/support/plugins



zotero

- Organization
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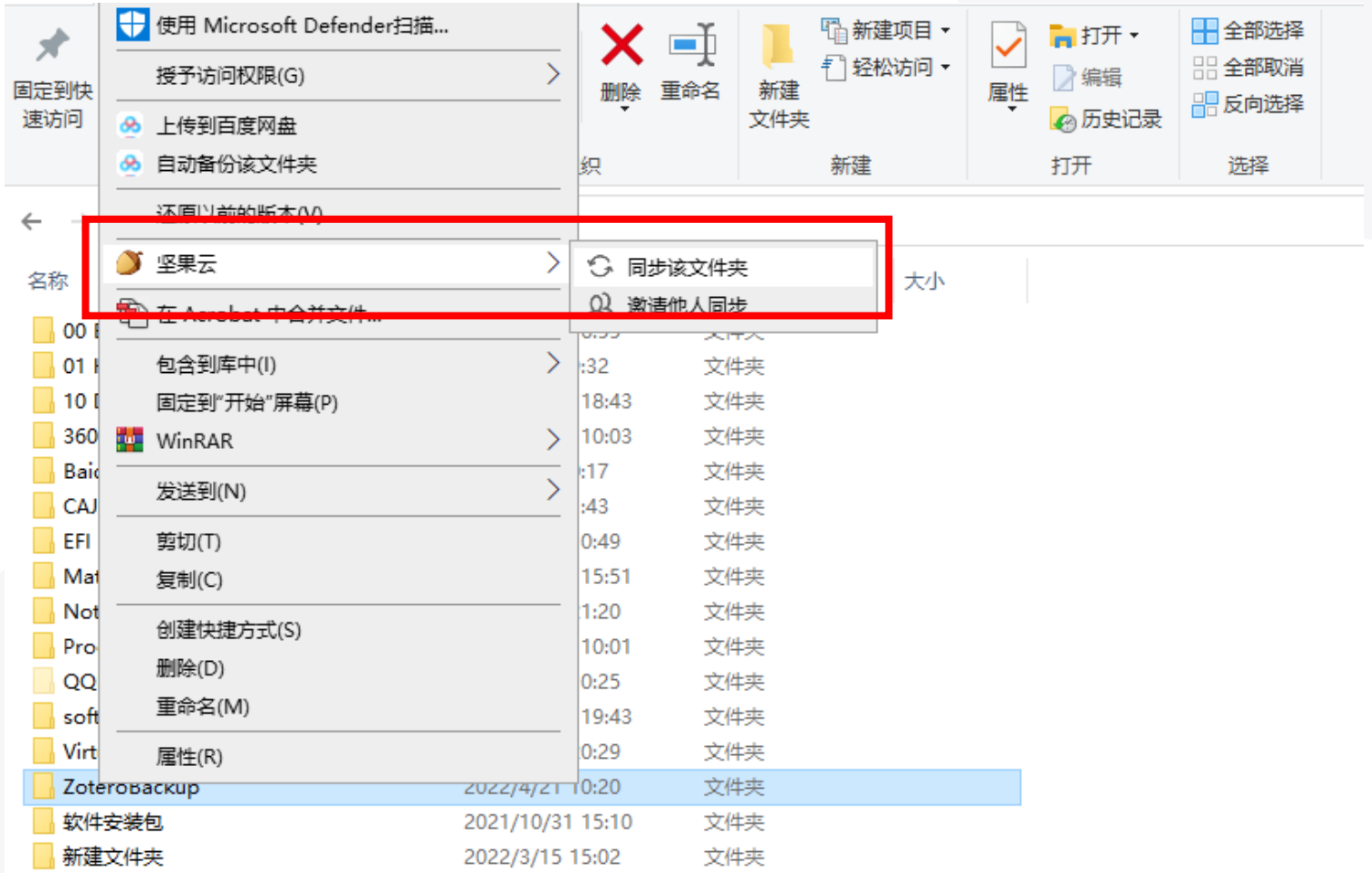
- Plugins
- **Collaboration**

/ Syncing

zotero x 坚果云 jianguoyun.com

- Use Zotero on multiple computers with Zotero syncing.



教程：https://zhuanlan.zhihu.com/p/86851868

zotero

- Organization
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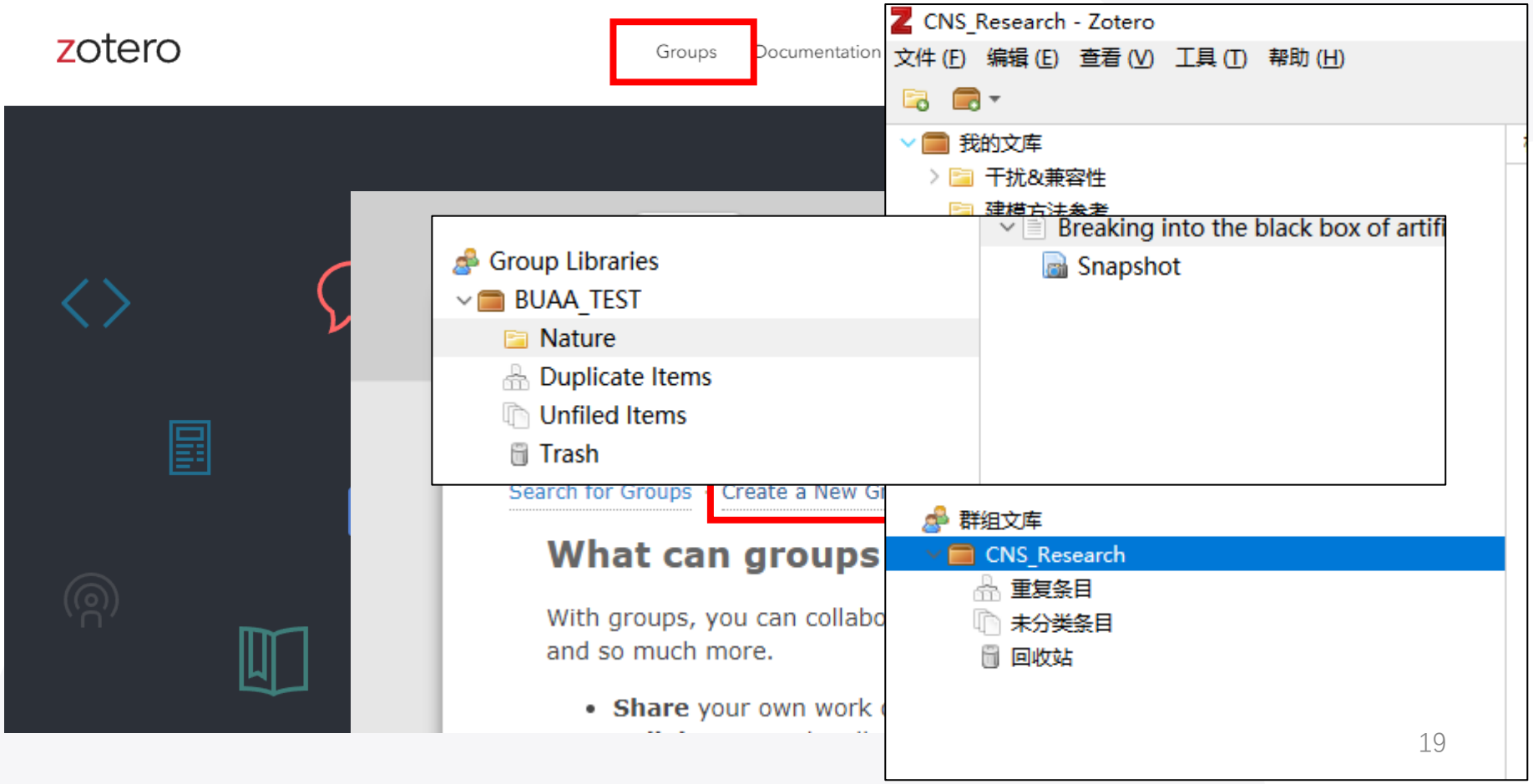
- **Collaboration**

/ Groups

- Share group libraries to collaboratively manage research sources and materials, publicly or privately.



ADVANCED TOPIC OF

zotero

李谨杰

2022年4月29日

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文献分类

前沿追踪

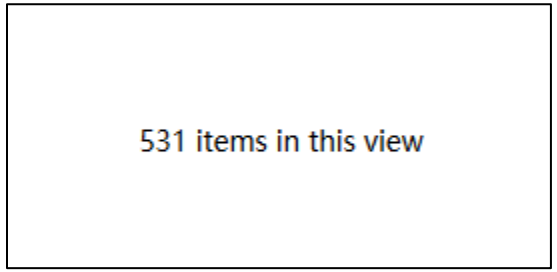
标签状态

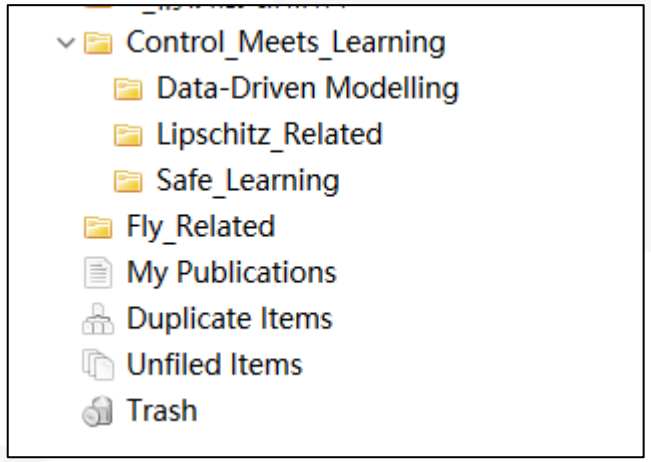
为何用纸

只有两点

如何分类

- 遇到问题：混乱的分类增加查找难度





- 方案一：按项目分。如毕业设计。
- 方案二：按对象分。如四旋翼、固定翼等。
- 方案三：按问题分。如Sensing，Planning等。
- 方案四：按方法分。Deep Learning，Consensus等。

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文献分类

前沿追踪

标签状态

为何用纸

只有两点

思考过程

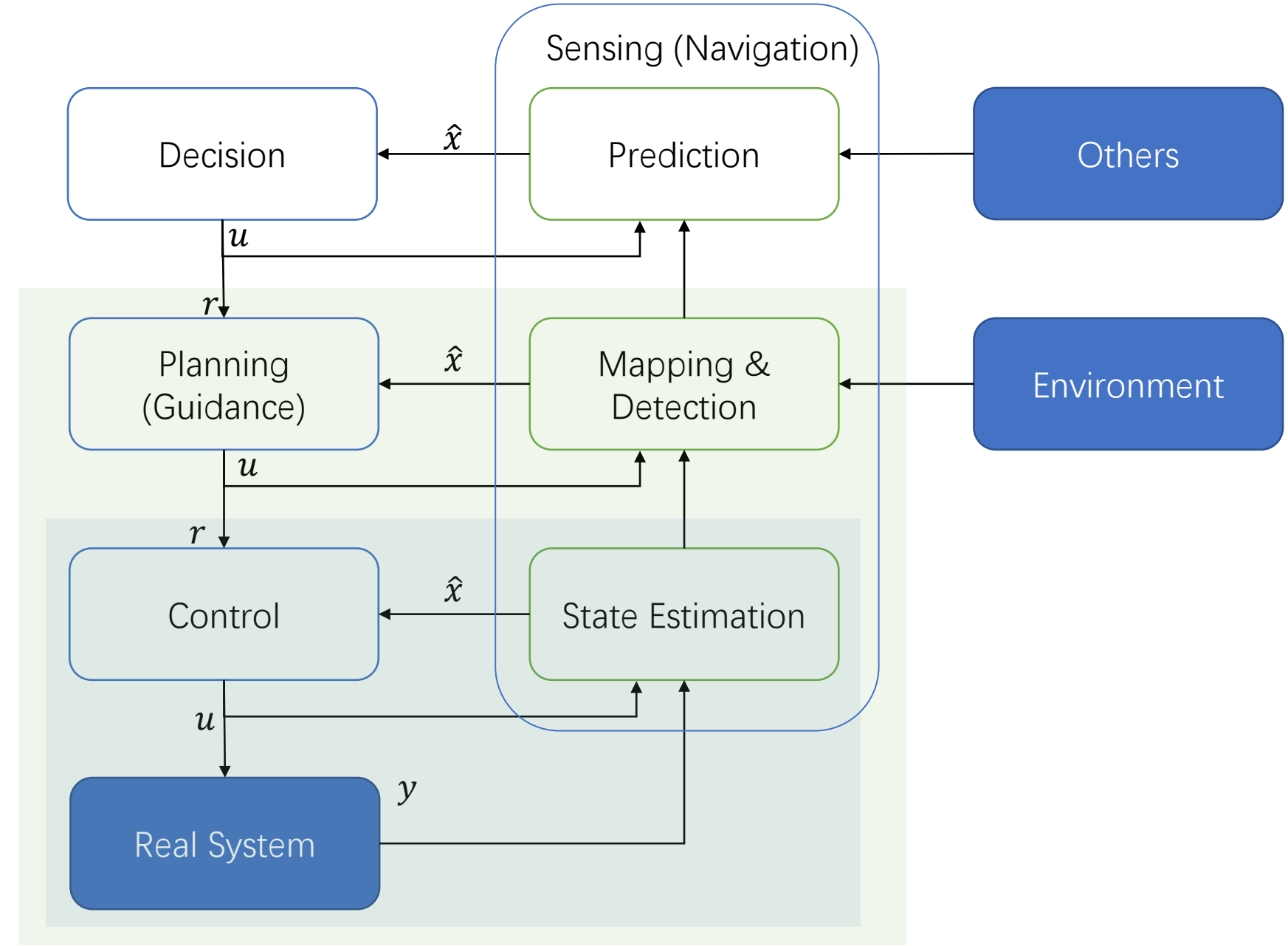
- 目的：文献的组织架构应该有助于**建立整个知识体系**及**跨学科思考**。
- 科研的正确方向：寻找一个好的问题

分类标准	优点	缺点	跨学科程度	优先级
项目	高效	长期无积累，对构建知识体系无帮助	较高	1
对象	便于深耕某个对象	不利于进行不同对象间的方法借鉴	低	3
问题	便于构建知识体系	不容易针对一个理论建立分支	高	1（最高）
方法	便于对一种理论内部的分支有所了解	容易拿着锤子找钉子	低	2

JGCD也说制导一般
不要求稳定性证明了

引入环境变量难以构造封闭系统，是难以应用Lyapunov的原因！

Lyapunov的适用范畴？



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- 文献分类
- 前沿追踪
- 标签状态
- 为何用纸
- 只有两点

最终结果

- My Library
  - 0a_NN_MPC
  - 0b_IPT
  - 0c_Falcon
  - 1_Full_Stack
  - 1a_Sensing
    - a_Prediction_&_Detection
    - b_Mapping
    - c_SLAM
    - d_Localization
    - e_Fusion_Filter
    - f_Event_Camera
  - 1b_Decision
  - 1c_Planning
    - a_Path_Planning
    - b_Traj._Generation
    - c_Traj._Planning
    - d_Guidance
  - 1d_Control
    - a_Trajectory_Tracking
    - b_Path_Following
    - c_Formation_Flocking
    - d_Dynamic_Obstacle_Avoidance
    - z_Others
  - 1e_Modelling
    - a_Aero_Classical
    - b_Aero_Deep_Learning
    - z_Others
  - 1f_Structure
  - 1g_Sim_&_Tools
  - 1h_Evaluation
  - 2_Bioinspired
  - 2_MPC
    - Learning_MPC
    - MPC_Tools
    - Robust_MPC
    - Standard_MPC
    - Swarm_MPC
  - 2_Pattern_Recognition
    - a_General
    - b_CV
    - c_NLP
    - d_GNN
    - e_DRL
    - f_XAI
  - 2_RL
    - RL_AERO
    - RL_Algorithms

【大师课】[中英字幕]数学天才陶哲轩Terence Tao 不再恐惧...

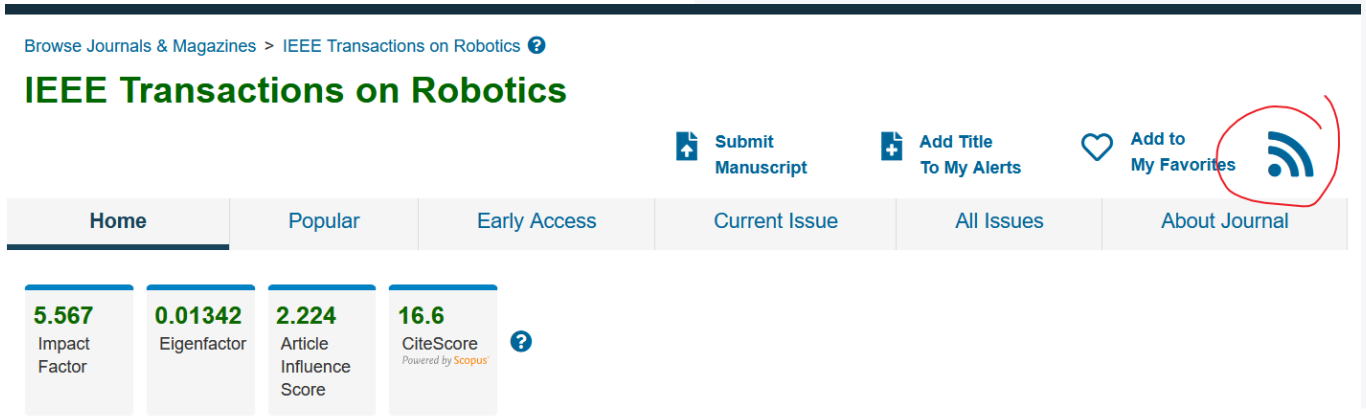
UP WOW大师课 · 3-14

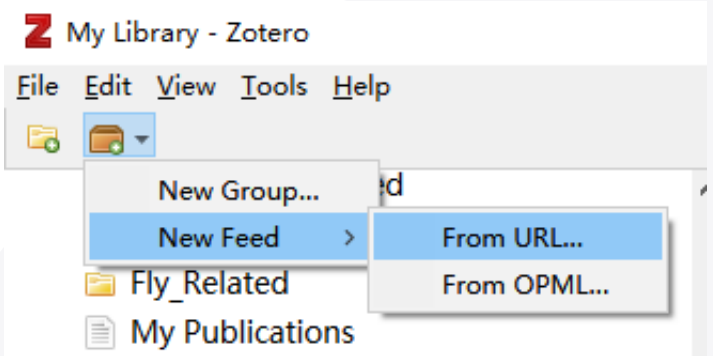
zotero

如何跟踪前沿

- 文献分类
- **前沿追踪**
- 标签状态
- 为何用纸
- 只有两点

- 1. Feed





（现场示范）

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如何跟踪前沿

- 文献分类
- 前沿追踪
- 标签状态
- 为何用纸
- 只有两点

- 2. Google Scholar Alerts

Vijay Kumar

Professor of Mechanical Engineering and Applied Mechanics, University of Pennsylvania
Verified email at seas.upenn.edu - Homepage

Robotics

FOLLOWING

Google Scholar

Alerts

Alerts for lijinjie362@gmail.com

Vijay Kumar - new articles
Mark W. Mueller - new articles
Hongkai Dai - new articles
Helen Oleynikova - new articles
Jonathan P. How - new articles
Sebastian Scherer - new articles
Rose Yu - new articles
Davide Scaramuzza - new articles

Fei Gao - new articles
Sihao Sun - new articles
Pieter Abbeel - new articles
Zijian Wang - new articles
Nathan Michael - new articles
Francesco Borrelli - new articles
Dario Floreano - new articles
Melanie Zeilinger - new articles
Quan Quan - new articles
Markus Ryll - new articles
Randal Beard - new articles
Yisong Yue - new articles
Yunlong Song - new articles

Nicholas Roy - new articles All results CANCEL
Raffaello D'Andrea - new articles All results CANCEL
Amanda Prorok - new articles All results CANCEL
Guido de Croon - new articles All results CANCEL
Pakpong Chirarattananon - new articles All results CANCEL
Roland Siegwart - new articles All results CANCEL
Sikang Liu - new articles All results CANCEL
Alcherio Martinoli - new articles All results CANCEL
Guanya Shi - new articles All results CANCEL
Jemin Hwangbo - new articles All results CANCEL
Ming Liu - new articles All results CANCEL
Shaojie Shen - new articles All results CANCEL

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如何搜索文献

- 3. Connected Papers

https://www.connectedpapers.com

文献分类

前沿追踪

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文献分类

前沿追踪

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只有两点

如何跟踪前沿

- 4. 公众号

量子位、机器之心、机器人大讲堂等等，群内分享

要保存到Zotero中，才算OK

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文献分类
前沿追踪
标签状态
为何用纸
只有两点

一篇文献的奇幻漂流

- 打标签：一种与Collection不同的分类方式

优点：灵活；缺点：无法构建知识体系

1. 收入一篇文献 → Abstract Unread
2. 若读完摘要，简要记录，无标签
3. 若全文读完，详细记录 → Intensive Reading
4. 若复现过或论文中使用过 → Used or Reproduced

平行标签：

Top,Nature,Science,PNAS,SRobotics,IJRR,...
Abstract Unread Valuable
Intensive Reading Used or Reproduced
Tutorials and Surveys H_infty filters

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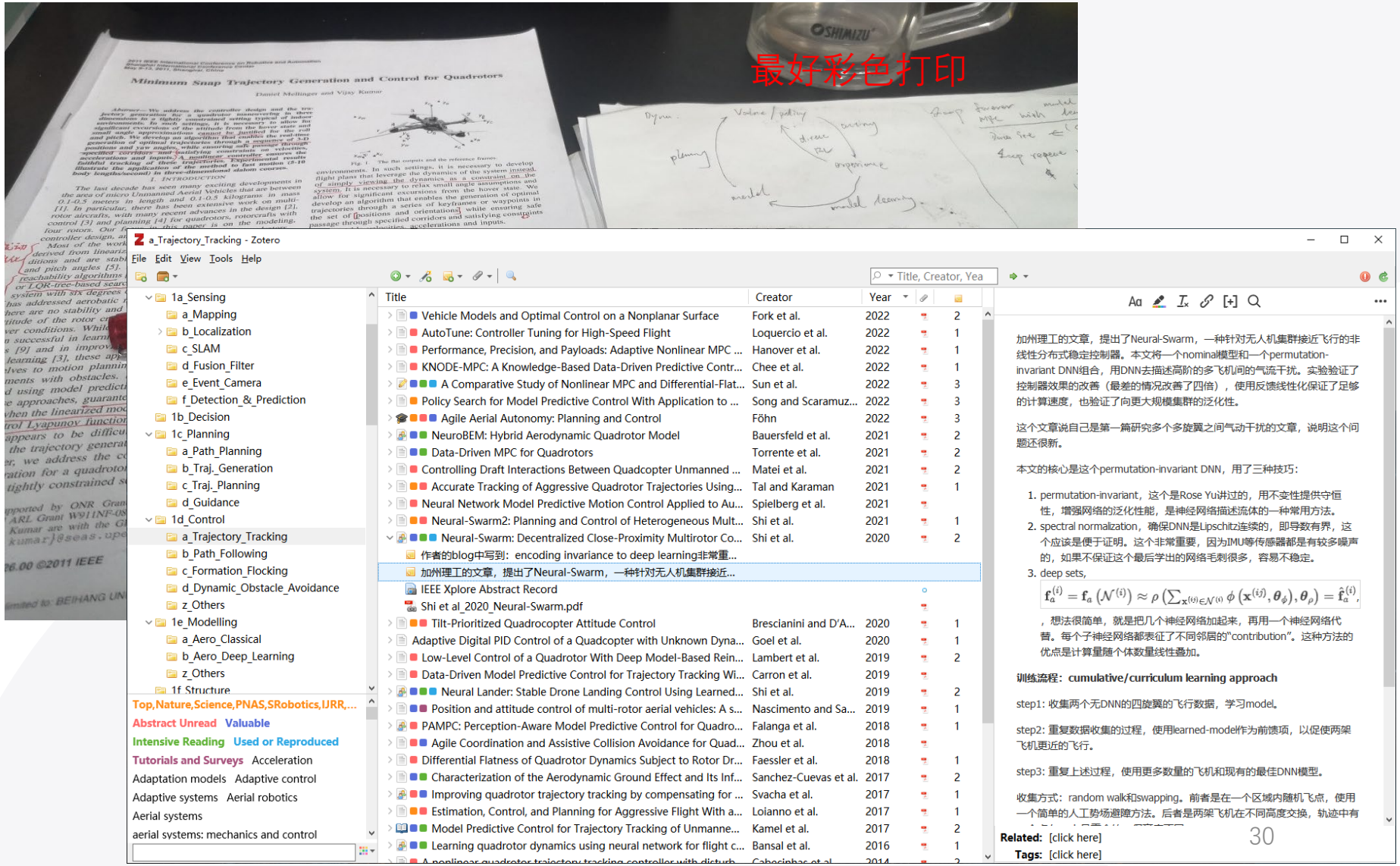
/ 我的old-school做派

- 文献分类
- 前沿追踪
- 标签状态
- **为何用纸**
- 只有两点



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文献分类

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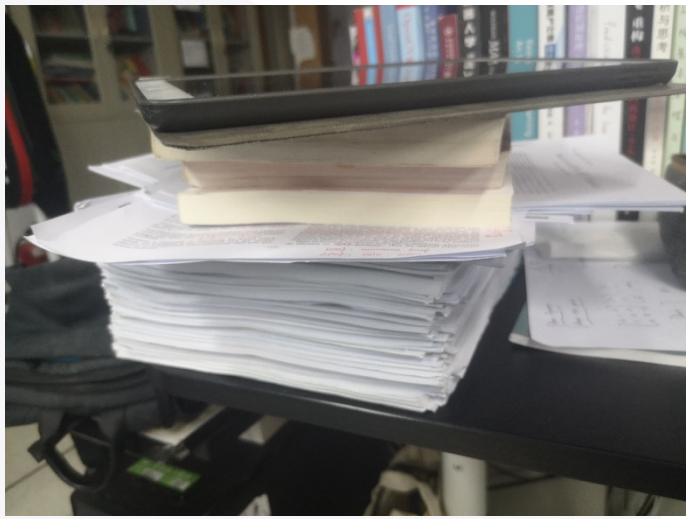
只有两点

为什么我不用Notability和MarginNote3读文献

Notability和MarginNote3的优势：详细的、可存储的笔记，直接画思维导图

- 阅读中的详细过程是否需要保留？
- 自然而又强迫的总结过程（Summary Writing）
- PPT作图：一举两得
- 仪式感、巴甫洛夫的狗



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文献分类

前沿追踪

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只有两点

升华一下

$$1.01^{365} = (1 + 0.01)^{365} = 37.7834$$

$$1.01^{730} = (1 + 0.01)^{730} = 1427.5879$$

- 1. 复利
- 2. 主动熵减

https://finance.ifeng.com/c/7pkS4CsBkFU

https://zhuanlan.zhihu.com/p/72896309

生命以负熵为生。

——薛定谔《生命是什么》

解决方案：开放系统+引入外力

THANKS

李谨杰

2022年4月29日