



zotero

Managing bibliography in MTrec with Zotero

Chang, Zhangyu (zchang@cse.ust.hk)

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1. Why Bibliography Management
2. Install **Zotero** with **Better BibTeX**
3. Add a New Bibliography Item
4. Export Items From **Zotero** to **BibTeX**
- 5. Better BibTeX & Duplicated Items**
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Why Bibliography Management?

Source:

```
\begin{filecontents}{\jobname.bib}
@BOOK{foo:2012a,
  title = {My Title},
  publisher = {My Publisher},
  year = {2012},
  author = {Author}
}

@BOOK{foo:2012b,
  title = {My Title},
  publisher = {My Publisher},
  year = {2012},
  author = {Author}
}

@BOOK{foo:2012c,
  title = {My Title},
  publisher = {My Publisher},
  year = {2012},
  author = {Author}
}
\end{filecontents}

\documentclass{article}
\begin{document}
Hello World \cite{foo:2012a, foo:2012b, foo:2012c}
\bibliographystyle{plain}
\bibliography{\jobname}
\end{document}
```

Output:

Hello World [1, 2, 3]

References

- [1] Author. *My Title*. My Publisher, 2012.
- [2] Author. *My Title*. My Publisher, 2012.
- [3] Author. *My Title*. My Publisher, 2012.

Duplicated References may come from the following reason:

1. Carelessness
2. Collaboration
3. Extension of an existing work

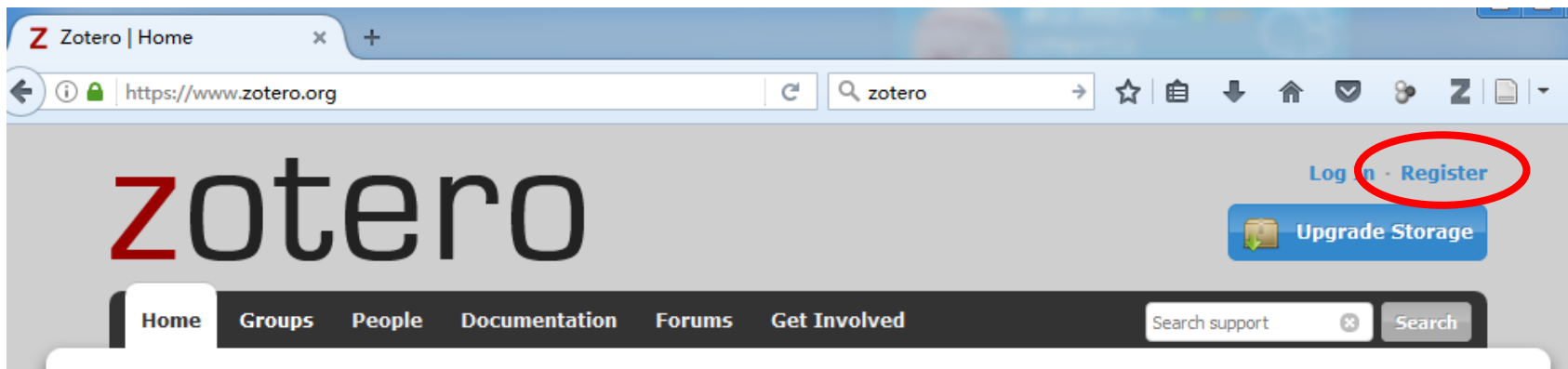
LaTeX cannot detect them

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Register for a Zotero Account

- You have to create an account first in order to use Zotero and join our group
- Go to the URL <https://www.zotero.org/>
- Click the register link
- Follow the instructions to finish the registration



Install Zotero

- The downloading page is <https://www.zotero.org/download/>
- Zotero has the Standalone software and plug-ins for web browsers. I suggest you install **all** of them.

Zotero for Firefox

Zotero for Firefox lets you capture and organize all your research without ever leaving the browser.



Install Zotero for Firefox

Add a [plugin for Word or LibreOffice](#)

[Trouble installing Zotero?](#)



Zotero Standalone

Zotero Standalone runs as a separate application and plugs into your choice of browser.



Download Zotero for Windows

Next, add one of the following browser extensions:



Firefox



Chrome



Safari

Plugins for Word and LibreOffice are included

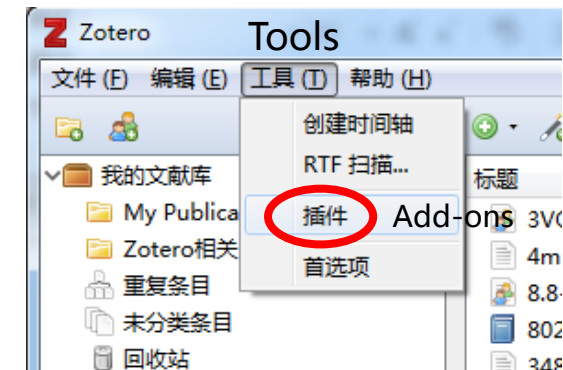


Install **better BibTeX** Plug-in (Important)

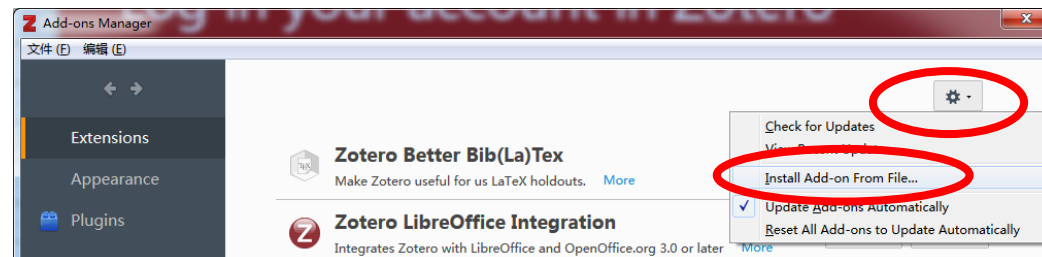
- For backward compatibility, you **have to** install **better BibTeX** so the item keys in previous BibTeX management website are consistent with the keys in Zotero (otherwise Zotero generates its own keys).
- The URL is <https://github.com/retorquere/zotero-better-bibtex>
- The latest release is <https://github.com/retorquere/zotero-better-bibtex/releases/latest>
- The installation file is a Firefox plug-in. Firefox ought to start installation by double clicking.

For standalone Zotero, do the following:

1. In the main menu go to Tools > Add-ons
2. Select 'Extensions'
3. Click on the gear in the top-right corner and choose 'Install Add-on From File...'
4. Choose .xpi that you've just downloaded, click 'Install'
5. Restart Zotero



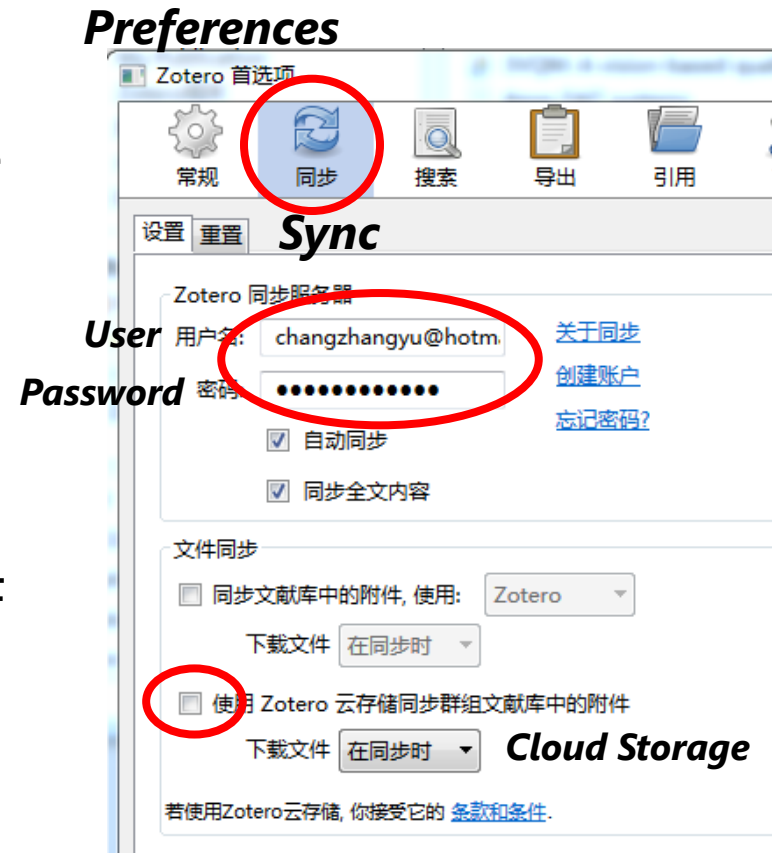
The complete installation instructions can be found at <http://retorque.re/zotero-better-bibtex/installation/>



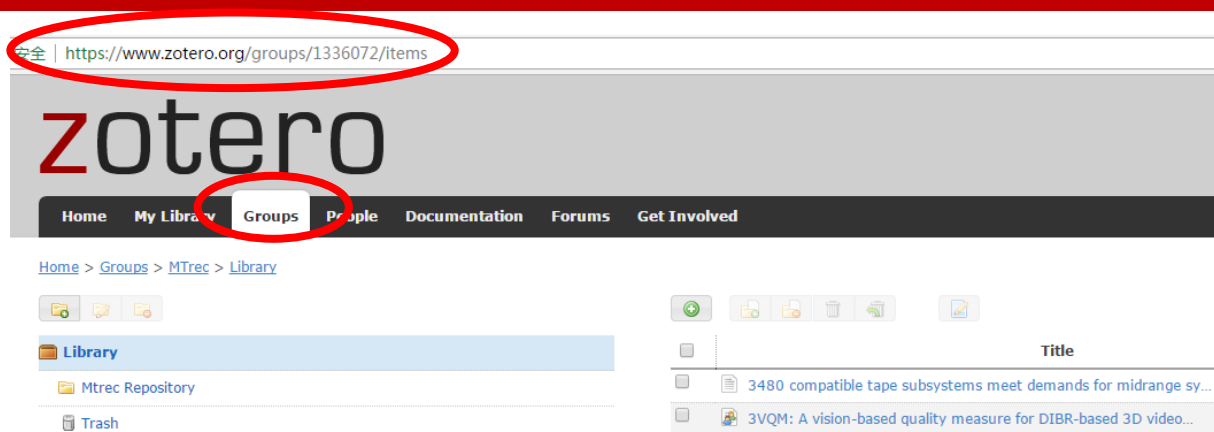
Log in Your Account in Zotero

There are several ways to use Zotero. You need to log in them respectively.

- For the website, go to the log in page directly.
- For the standalone version as well as the browser plug-in, you need to select the **Preferences** and go to the **Sync** tag. Then enter your username and password.
- The sync function can upload the PDF file automatically and you have 300MB **free** space for your own.
- **Uncheck** the uploading function for **Group** if you do not want to pay for extra space (USD 200 for a year).



Join MTrec Group



- Tell me your **username** and I will invite you to our group (MTrec).
- Afterwards you can visit our group on the webpage or on the client side.
- You can **ADD**, **EDIT** and **REMOVE** items. Be careful when you do this because the other users in this group will also be affected.

Group Item and Your Personal Item

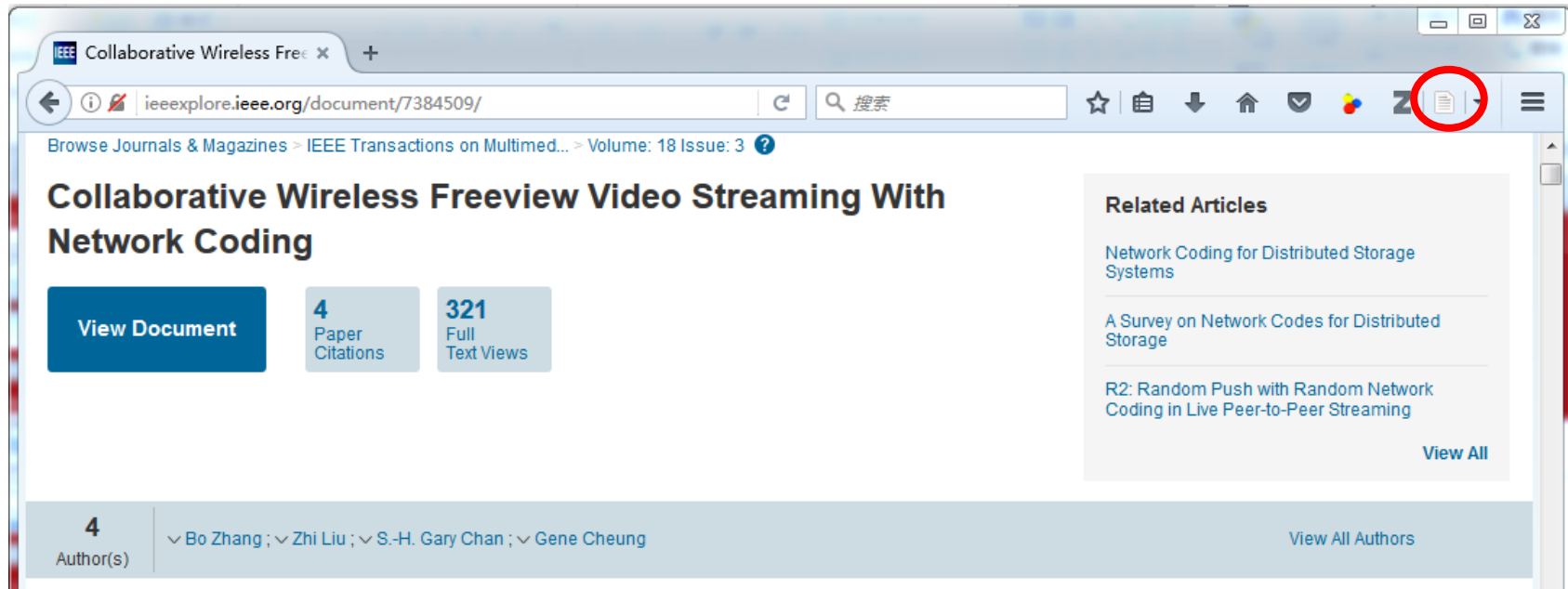


- Only the items in the group bibliography will be uploaded to the cloud.
- To share your bibliography items, simple drag the item from your directory to the group directory.
- Similarly, to download items from our group, simple drag the items from the group directory to your own directory.

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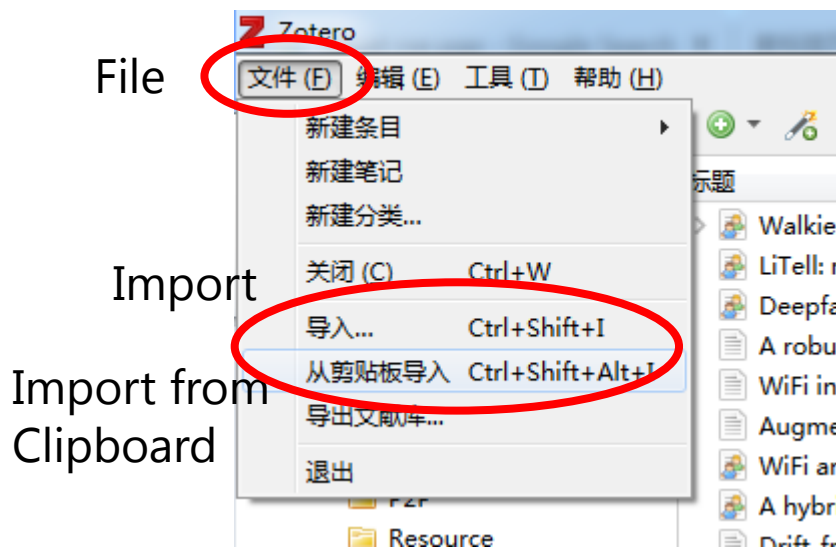
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Add a New Item from Browser



- You can manually add items, but I strongly suggest you use the plug-in to avoid mistakes.
- Simply go to the related webpage of the paper (e.g. IEEEExplore or ACM digital library) and click the save button.

Add New Items from a BibTeX File

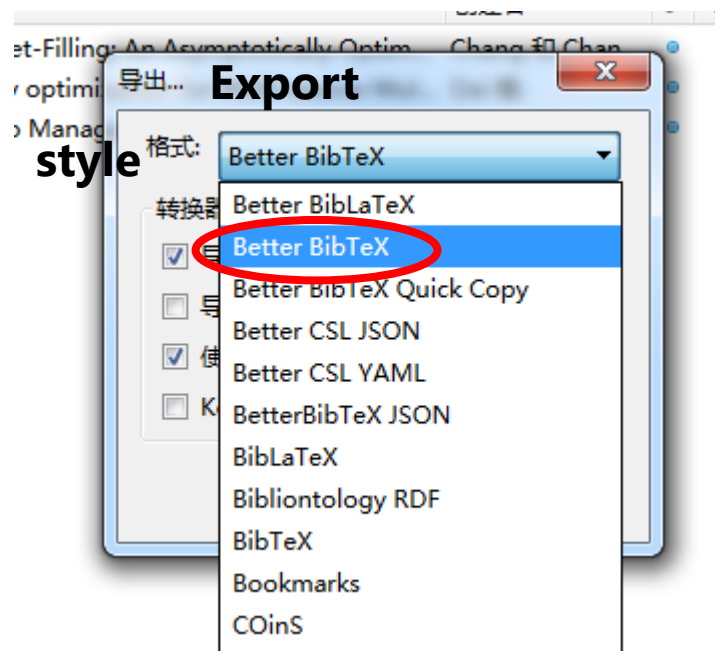
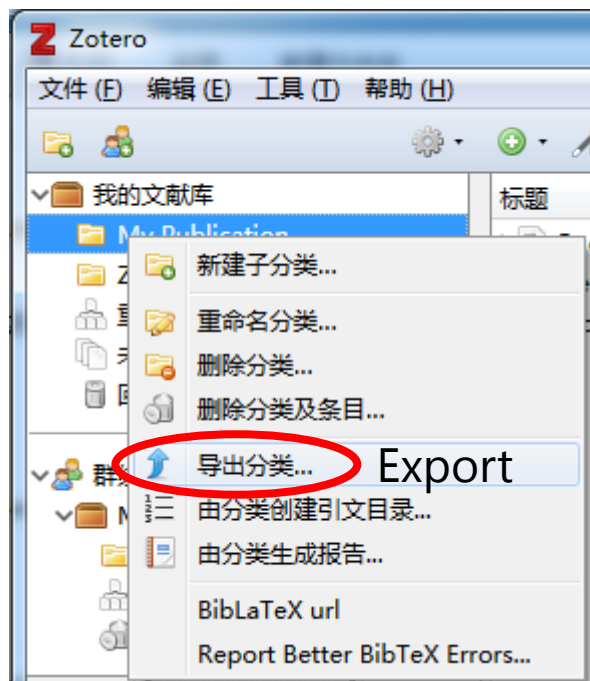


- Method 1: Go to File -> Import and follow the instructions.
- Method 2: Copy the text from the file (i.e., Ctrl + C) and choose File -> Import from Clipboard.

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Export items from Zotero to BibTeX

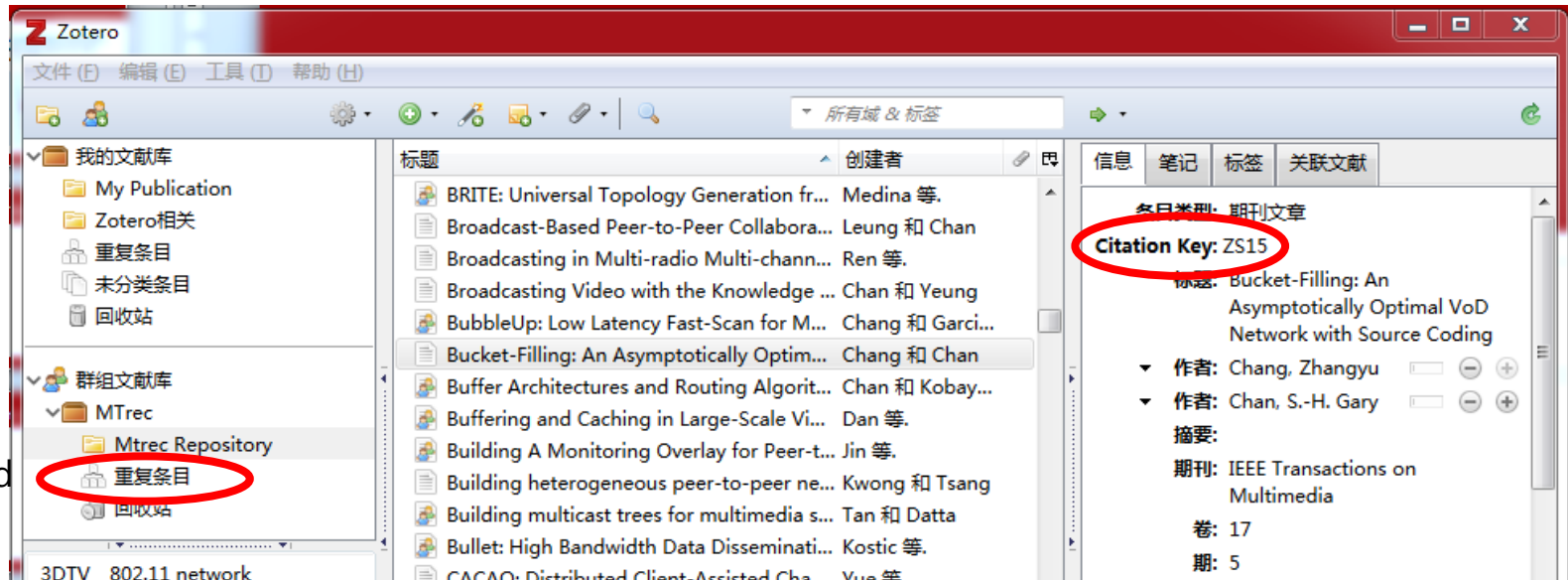


- If you are preparing references for a paper, create a new directory for the paper and drag the related work into it.
- Right click the directory and choose **Export** option. In the *style* option choose **Better BibTeX** option instead of BibTeX.

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Citation Key & Duplicated Items



- Zotero cannot save the BibTeX key. To fix this, **better BibTeX** store the key in the extra field in the form *bibtex:[key]*.
- Zotero can automatically find the *duplicated items*. You can check them in the directory and merge them if necessary.
- Papers may happens to have same name (e.g., conference versus journal). Be careful!

Duplicated Items (Cont'd)

标题	创建者	添加日期	Citekey
A case for end system multicast	Chu 等.	2017/5/13 下午6:01:47	Narada02
A case for end system multicast	Sanjay 等.	2017/5/13 下午6:01:47	Sanjay02acase
A comparison of Pedestrian Dead-Reckoning algorithms using a low-cost MEMS IMU	Jimenez 等.	2020/6/3 上午10:47:22	PDR-compariso...
A comparison of Pedestrian Dead-Reckoning algorithms using a low-cost MEMS IMU	Jimenez 等.	2020/6/3 下午12:43:23	PDRComparison...
A Double-Step Unscented Kalman Filter and HMM-Based Zero-Velocity Update for Pedestrian Dead Reckoning Using MEMS Sensors	Tong 等.	2020/6/3 上午10:54:40	unscentedPDR1...
A Double-Step Unscented Kalman Filter and HMM-Based Zero-Velocity Update for Pedestrian Dead Reckoning Using MEMS Sensors	Tong 等.	2020/6/3 下午12:09:06	unscentedPDR1...
A localization system using inertial measurement units from wireless commercial hand-held devices	Mikov 等.	2020/5/2 下午3:58:53	Mikovlocalizatio...
A localization system using inertial measurement units from wireless commercial hand-held devices	Mikov 等.	2020/5/2 下午4:27:26	Mikovlocalizatio...
A Step, Stride and Heading Determination for the Pedestrian Navigation System	Kim 等.	2020/5/2 下午3:58:53	KimStepStrideH...
A Step, Stride and Heading Determination for the Pedestrian Navigation System	Kim 等.	2020/5/2 下午4:27:26	KimStepStrideH...
A Zero Velocity Detection Algorithm Using Inertial Sensors for Pedestrian Navigation Systems	Park 和 Suh	2020/5/2 下午3:58:53	ParkZeroVelocit...
A Zero Velocity Detection Algorithm Using Inertial Sensors for Pedestrian Navigation Systems	Park 和 Suh	2020/5/2 下午4:27:26	ParkZeroVelocit...
Accurate Step Length Estimation for Pedestrian Dead Reckoning Localization Using Stacked Autoencoders	Gu 等.	2020/6/3 上午10:33:15	GuAccurateStep...
Accurate Step Length Estimation for Pedestrian Dead Reckoning Localization Using Stacked Autoencoders	Gu 等.	2020/6/3 上午11:43:59	PSLEAutoencod...
An UWB relative location system	Correal 等.	2020/5/2 下午3:58:53	CorrealUWBrela...
An UWB relative location system	Correal 等.	2020/5/2 下午4:27:26	CorrealUWBrela...
Average Step Length Estimation Models' Evaluation Using Inertial Sensors: A Review	Vezočnik 和 Juric	2020/5/2 下午3:58:53	VezocnikAverag...
Average Step Length Estimation Models' Evaluation Using Inertial Sensors: A Review	Vezočnik 和 Juric	2020/5/2 下午4:27:26	VezocnikAverag...
Can internet video-on-demand be profitable?	Huang 等.	2017/5/13 下午6:01:47	huang2007can
Can Internet Video-on-Demand be Profitable?	Huang 等.	2017/5/13 下午6:01:47	citeulike:223859...
Can ISPS and P2P users cooperate for improved performance?	Aggarwal 等.	2017/5/13 下午6:01:47	Aggarwal2007
Can ISPs and P2P users cooperate for improved performance?	Aggarwal 等.	2017/5/13 下午6:01:47	AFS07
Centralized channel assignment and routing algorithms for multi-channel wireless mesh networks	Raniwala 等.	2017/5/13 下午6:01:47	RGC04

- Zotero can automatically find the *duplicated items*. You can check them in the directory and merge them if necessary.
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Citation Key Management (Important)

Rules to add items into our group library

1. If you are the first one that add the item, you have the right to decide the citation key. If you do not give a key, the system will automatically generate one for you.
2. If you add a new item (or a batch of items), always check the duplicated items. If the item already exists, **you are responsible to remove your duplicated items.**
3. You have make sure that the citation key of your paper in our SVN is **consistent** with the citation key in our group library.

We have record on who adds the item

Title	Creator	Date	Date Added	Added By
802.11 user fingerprinting	Pang et al.	2007	2018/5/21 上午2:...	hanlc1993
802.11 wireless networks: the defi...	Gast	2002	2017/5/13 下午6:...	changzhangyu
A 10 ¹³ bit optical d...	Ammon and Hoover	1984	2017/5/13 下午6:...	changzhangyu
A bandwidth management techni...	Z. Wang and A. Hua	1997-06-03	2017/5/13 下午6:...	changzhangyu
A barometer-assisted method to ...	Ying et al.	2016-03	2018/5/9 下午12:...	khchowad
A broadcasting protocol for com...	Pâris	1999-04-26	2017/5/13 下午6:...	changzhangyu
A bubble oscillation algorithm for...	Du et al.	2004-03	2017/5/13 下午6:...	changzhangyu
A caching-based video-on-dema...	Xie and Hua	2009	2017/5/13 下午6:...	changzhangyu
A case for end system multicast	Chu et al.	2002-10	2017/5/13 下午6:...	changzhangyu
A case for end system multicast	Chu et al.	2000-06	2017/5/13 下午6:...	changzhangyu
A case for end system multicast	Sanjay et al.	2002	2017/5/13 下午6:...	changzhangyu
A case for redundant arrays of ine...	Patterson et al.	1988	2017/5/13 下午6:...	changzhangyu
A case study of a pull WAP locati...	Sanchez et al.	2009	2017/5/13 下午6:...	changzhangyu
A channel assignment algorithm f...	Avallone and Akyildiz	2007-08	2017/5/13 下午6:...	changzhangyu
A cloud-oriented content delivery...	Papagianni et al.	2013	2017/5/13 下午6:...	changzhangyu
A comparative analysis of disk sc...	J. Teorey and B. Pinkerton	1972-03	2017/5/13 下午6:...	changzhangyu
A comparison of Pedestrian Dead...	Jimenez et al.	2009-08	2020/6/3 上午10:...	SteveZhao
A comparison of Pedestrian Dead...	Jimenez et al.	2009-08	2020/6/3 下午12:...	SteveZhao
A comparison of resilient overlay ...	Birrer and Bustamante	2007-12	2017/5/13 下午6:...	changzhangyu
A comparison of sender-initiated ...	Towsley et al.	1997-04	2017/5/13 下午6:...	changzhangyu
A constrained least squares appro...	Cheung et al.	2006	2017/5/13 下午6:...	changzhangyu

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Online Tutorial Videos

1. Installing Zotero Standalone:
<https://www.youtube.com/watch?v=H8UTehdF92s>
2. Installing the Firefox Extension:
<https://www.youtube.com/watch?v=SDjFzX2kdHc>
3. Synchronization:
<https://www.youtube.com/watch?v=3lFqEvNMXuM>
4. Using Zotero:
<https://www.youtube.com/watch?v=mP5AzJHXfIA>
5. Zotero Group Library:
<https://www.youtube.com/watch?v=3QKF25nmnds>
6. Better BibTeX:
<https://www.youtube.com/watch?v=GAVXVkcpbG0>