

Quick tutorials for Git, *LaTeX* and Zotero

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Git

- Git installation
- Git configuration
- Git repository
- Git commit, pull and push
- .gitignore
- Rollback
- Branch
- Private repository

Git installation

- Windows:
 - Git-SCM: <https://git-scm.com/>
 - Github Desktop: <https://desktop.github.com/>
- Linux and MacOS:
 - via apt: `sudo apt install git`
(Defaulted install in the Unix and Linux)

Git installation

```
命令提示符
Microsoft Windows [版本 10.0.19042.630]
(c) 2020 Microsoft Corporation. 保留所有权利。

C:\Users\HAO>git --help
usage: git [--version] [--help] [-C <path>] [-c <name>=<value>]
      [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
      [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]
      [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
      <command> [<args>]

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)
  clone      Clone a repository into a new directory
  init       Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)
  add        Add file contents to the index
  mv         Move or rename a file, a directory, or a symlink
  reset      Reset current HEAD to the specified state
  rm         Remove files from the working tree and from the index

examine the history and state (see also: git help revisions)
  bisect    Use binary search to find the commit that introduced a bug
  grep      Print lines matching a pattern
  log       Show commit logs
  show      Show various types of objects
  status    Show the working tree status

grow, mark and tweak your common history
```

Windows (cmd)

```
HAO
See 'git help git' for an overview of the system.
+ HAO git --help
usage: git [--version] [--help] [-C <path>] [-c <name>=<value>]
      [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
      [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]
      [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
      <command> [<args>]

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)
  clone      Clone a repository into a new directory
  init       Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)
  add        Add file contents to the index
  mv         Move or rename a file, a directory, or a symlink
  restore    Restore working tree files
  rm         Remove files from the working tree and from the index
  sparse-checkout  Initialize and modify the sparse-checkout

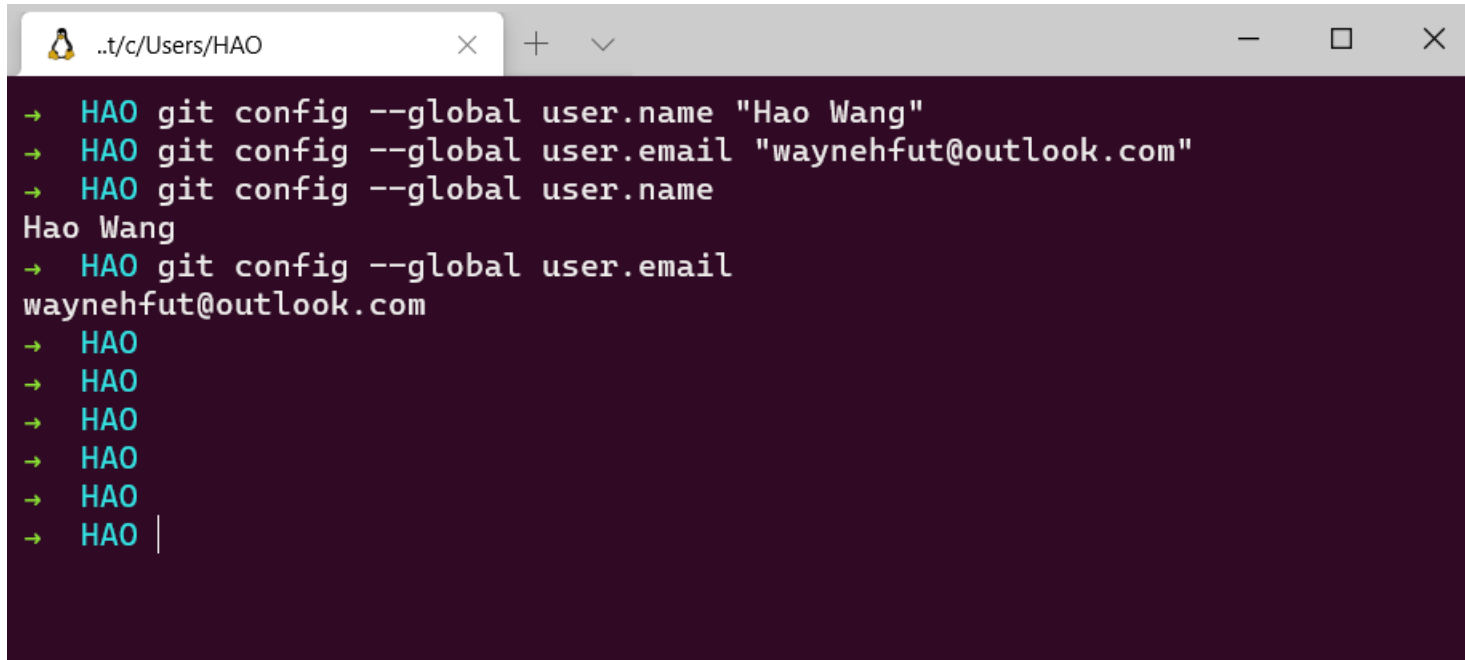
examine the history and state (see also: git help revisions)
  bisect    Use binary search to find the commit that introduced a bug
  diff      Show changes between commits, commit and working tree, etc
  grep      Print lines matching a pattern
  log       Show commit logs
  show      Show various types of objects
  status    Show the working tree status

grow, mark and tweak your common history
```

Ubuntu (bash)

Git configure personal information

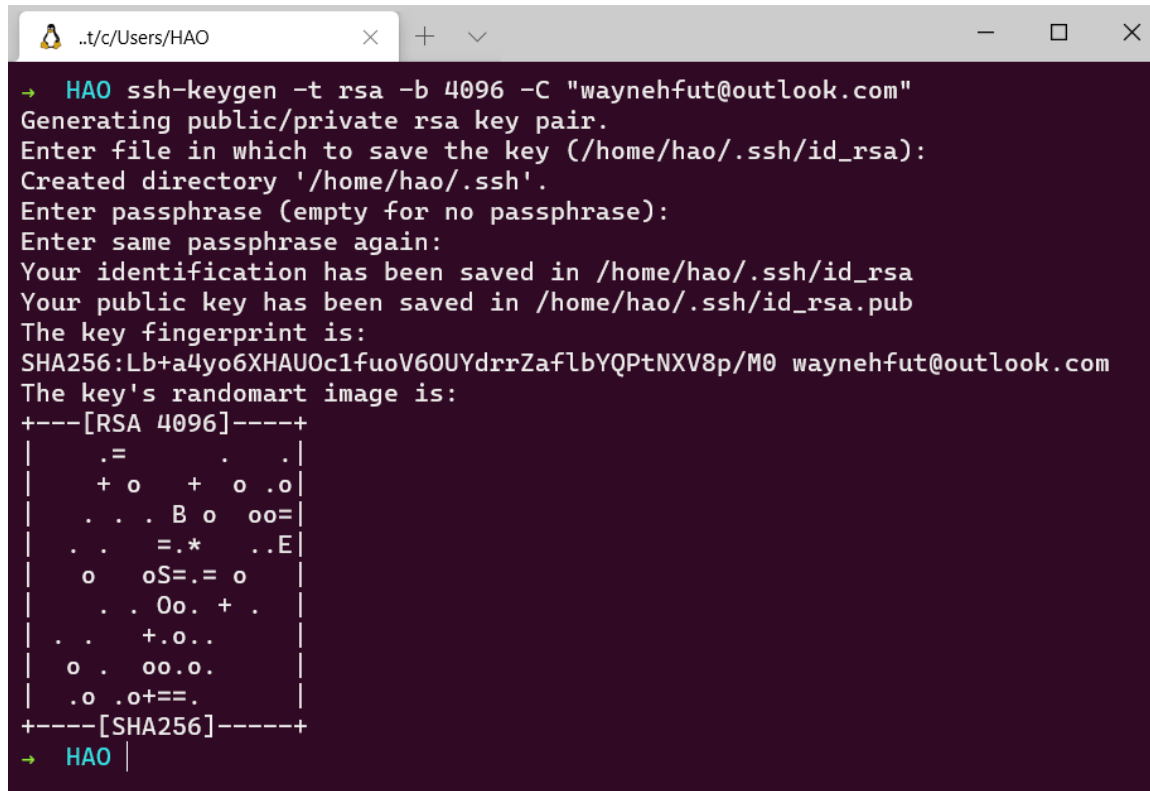
- `git config --global user.name "Hao Wang"`
- `git config --global user.email "waynehfut@outlook.com"`



```
..t/c/Users/HAO
→ HAO git config --global user.name "Hao Wang"
→ HAO git config --global user.email "waynehfut@outlook.com"
→ HAO git config --global user.name
Hao Wang
→ HAO git config --global user.email
waynehfut@outlook.com
→ HAO
→ HAO
→ HAO
→ HAO
→ HAO
→ HAO |
```

Git configuration ssh

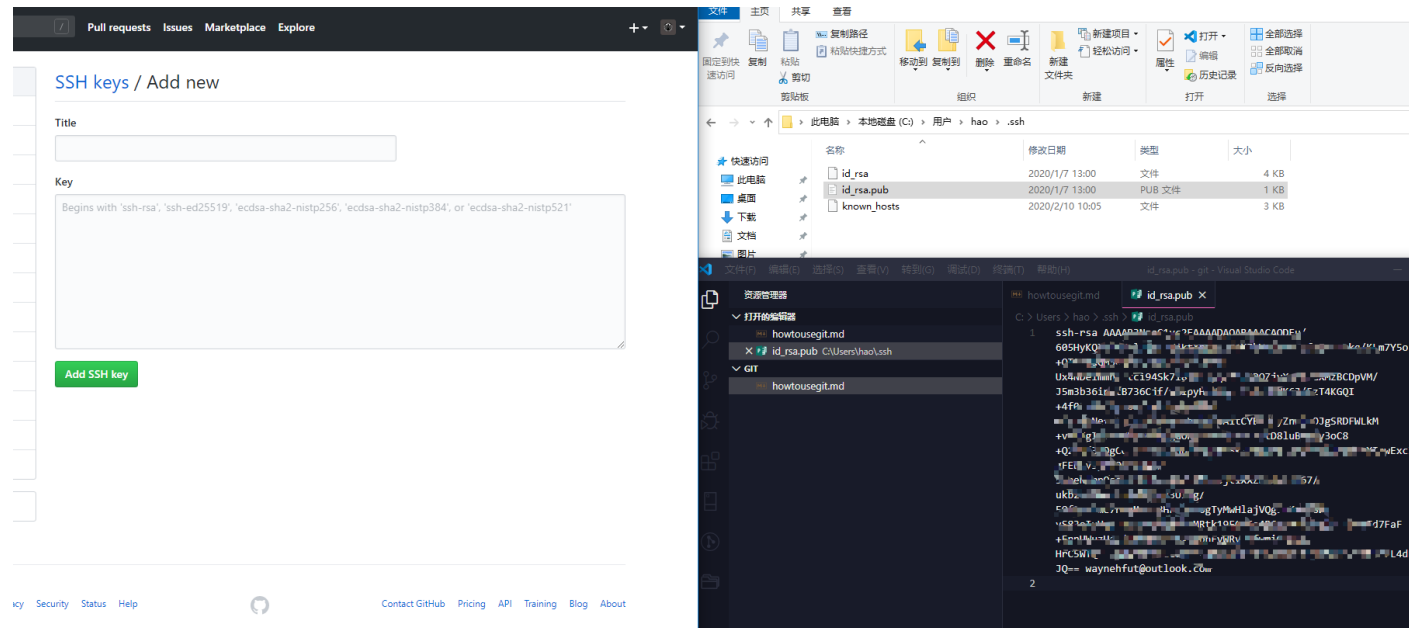
- `ssh-keygen -t rsa -b 4096 -C "waynehfut@outlook.com"`



```
HAO ssh-keygen -t rsa -b 4096 -C "waynehfut@outlook.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/home/hao/.ssh/id_rsa):
Created directory '/home/hao/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/hao/.ssh/id_rsa
Your public key has been saved in /home/hao/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:Lb+a4yo6XHAUOc1fuoV60UYdrrZaflbYQPtNXV8p/M0 waynehfut@outlook.com
The key's randomart image is:
+---[RSA 4096]-----+
|
|  . =
| + o + o . o
| . . . B o oo=
| . . =.* ..E
| o oS=. = o
| . . Oo. + .
| . . +.o..
| o . oo.o.
| .o .o+=.
+---[SHA256]-----+
HAO |
```

Git configuration ssh

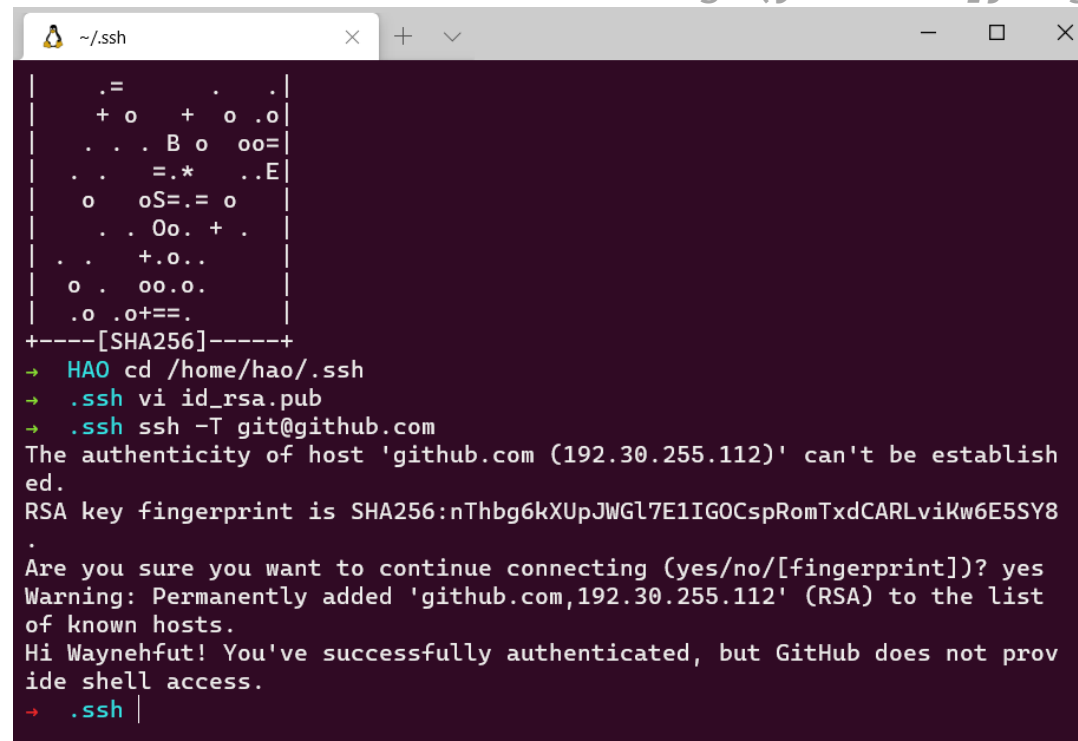
- Add id_rsa.pub to the remote platform (such as github)
- Open <https://github.com/settings/keys>
- Click add new key and paste the content from id_rsa.pub



Git configuration ssh

- Test ssh connection
- `ssh -T git@github.com`

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

A terminal window with a dark purple background and white text. The window title is '~/.ssh'. The terminal shows the following sequence of commands and output:

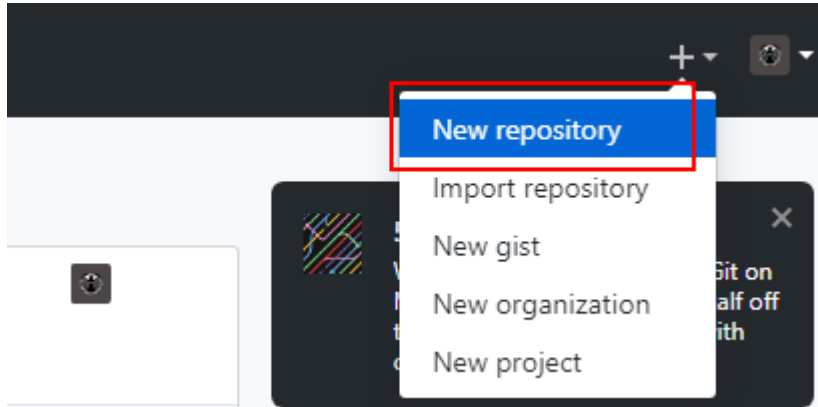
```
.=  
+ o + o .o |  
... B o oo=  
... =.* ..E |  
o oS=. = o  
... 0o. + .  
... +.o..  
o . oo.o.  
.o .o+==.  
+-----[SHA256]-----+  
→ HAO cd /home/hao/.ssh  
→ .ssh vi id_rsa.pub  
→ .ssh ssh -T git@github.com  
The authenticity of host 'github.com (192.30.255.112)' can't be establish ed.  
RSA key fingerprint is SHA256:nThbg6kXUpJWGL7E1IGOCspRomTxdCARLviKw6E5SY8  
.  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added 'github.com,192.30.255.112' (RSA) to the list of known hosts.  
Hi Waynehfut! You've successfully authenticated, but GitHub does not provide shell access.  
→ .ssh |
```


Git repository

Two way to create a repo

- Via web
- Via local init

Create repo via web



Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Owner: Waynehful / Repository name: test ✓

Great repository names are short and memorable. Need inspiration? How about [super-chainsaw](#)?

Description (optional)

- Public
Anyone can see this repository. You choose who can commit.
- Private
You choose who can see and commit to this repository.

Skip this step if you're importing an existing repository.

- Initialize this repository with a README
This will let you immediately clone the repository to your computer.

Add .gitignore: None | Add a license: None ⓘ

Grant your Marketplace apps access to this repository

You are subscribed to 1 Marketplace app

- Travis CI
Test and deploy with confidence

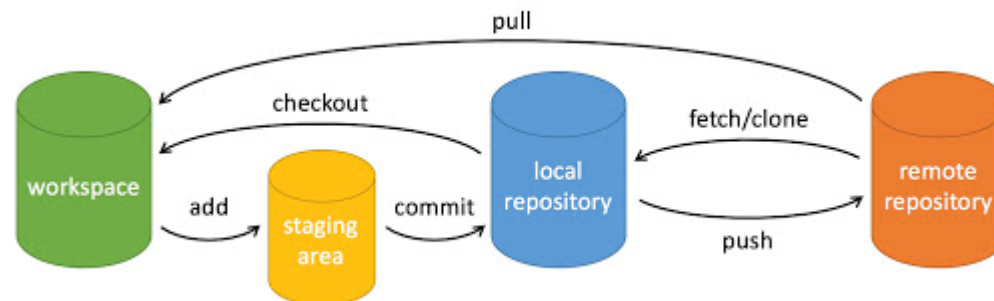
Create repository

Create repo via local init

- `git init` # *Setup current work folder as repo*
- `git add -A` # *Add all file as git track files*
- `git commit -m "first commit"` # *commit current status to the git local head and with message `first commit`*
- `git remote add origin git@github.com:Waynehfut/test.git` # *add remote repo*
- `git push -u origin master` # *push local head to the remote repo*

Git commit, pull and push

- `git commit -m "first commit" # commit current status to the git Local head and with message `first commit``
- `git pull <remote-branch> # pull most recent update to Local worktree`
- `git push <remote-branch> <local-branch> # push most recent committed change to the remote repo`



.gitignore

Some files you don't want to track, you can:

- Identify the list manually
- Generate by the template

.gitignore

- Manual:

Regular expression

- Template:

<https://github.com/github/gitignore>

<https://github.com/JetBrains/idea-gitignore>

<https://github.com/toptal/gitignore>

```
.gitignore X
D: > Code > web > meet > .gitignore
1 |.vscode/*
2 |.vscode/settings.json
3 |.vscode/tasks.json
4 |.vscode/launch.json
5 |.vscode/extensions.json
6 |*.code-workspace
7
8 # Local History for Visual Studio Code
9 |.history/
10
11 # Covers JetBrains IDEs: IntelliJ, RubyMine, PhpStorm, AppCode, PyCharm, CLion, Android Studio
12 # Reference: https://intellij-support.jetbrains.com/hc/en-us/articles/206544839
13
14 # User-specific stuff
15 |.idea/**/workspace.xml
16 |.idea/**/tasks.xml
17 |.idea/**/usage.statistics.xml
18 |.idea/**/dictionaries
19 |.idea/**/shelf
20
21 # Generated files
22 |.idea/**/contentModel.xml
23
24 # Sensitive or high-churn files
25 |.idea/**/dataSources/
26 |.idea/**/dataSources.ids
27 |.idea/**/dataSources.local.xml
28 |.idea/**/sqlDataSources.xml
29 |.idea/**/dynamic.xml
30 |.idea/**/uiDesigner.xml
31 |.idea/**/dbnavigator.xml
32
33 # Gradle
34 |.idea/**/gradle.xml
35 |.idea/**/libraries
36
37 # Gradle and Maven with auto-import
38 # When using Gradle or Maven with auto-import, you should exclude module files,
39 # since they will be recreated, and may cause churn. Uncomment if using
40 # auto-import.
41 |.idea/artifacts
42 |.idea/compiler.xml
43 |.idea/jarRepositories.xml
44 |.idea/modules.xml
45 |.idea/*.iml
46 |.idea/modules
47 |*.iml
48 |*.ipr
```

Rollback

Not push yet

- `git reset HEAD <fileName>`
cancel the commit for <fileName>
- `git checkout <fileName>`
rollback <filename> to previous status

Pushed

- `git log`
- `Git revert <commitID>`

```
commit 59eba18799de0d2e622fcd58c7ed2de48b34d587 (HEAD -> master, origin/master)
Author: Hao Wang <hwang1@pitt.edu>
Date: Tue Oct 29 14:52:18 2019 -0400

update

commit 198471915f1dcc6bd8ce2a6684d32b0555811456
Author: Hao Wang <waynehfut@gmail.com>
Date: Thu Oct 24 18:29:01 2019 -0400

new

commit 6dc78c8b9f5163b1322fb5670112c0e2c9fcb1d
Author: Hao Wang <waynehfut@gmail.com>
Date: Thu Oct 24 18:25:53 2019 -0400

add comments

commit 4baa34130e7305bb0872125fe27ea93abf858075
Author: unknown <hao@CS-RIVER-3.univ.pitt.edu>
Date: Wed Oct 23 19:13:17 2019 -0400

...skipping...
commit 59eba18799de0d2e622fcd58c7ed2de48b34d587 (HEAD -> master, origin/master)
Author: Hao Wang <hwang1@pitt.edu>
Date: Tue Oct 29 14:52:18 2019 -0400

update

commit 198471915f1dcc6bd8ce2a6684d32b0555811456
Author: Hao Wang <waynehfut@gmail.com>
Date: Thu Oct 24 18:29:01 2019 -0400
```

Branch

- `git branch` # *check current branch status*
- `git branch (branchname)` # *create new branch*
- `git checkout (branchname)` # *switch to new branch*
- `git checkout -b (branchname)` # *create and switch to new branch*
- `git branch -d (branchname)` # *delete new branch*
- `git merge (branchname)` # *merge (branchname) to current branch*


Private repository

- Both github and gitlab support the private repository for free.

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?
[Import a repository.](#)

Owner *

 Waynehfut ▾

Repository name *

Great repository names are short and memorable. Need inspiration? How about [symmetrical-octo-guacamole?](#)

Description (optional)



Public

Anyone on the internet can see this repository. You choose who can commit.



Private

You choose who can see and commit to this repository.

LaTeX

- What is *LaTeX*
- Environment
- *LaTeX* syntax
- Related resource

What is *LaTeX*

- /'lɑ:tɛk/ or /'leɪtɛk/

```
\documentclass{article}
\title{I am a title}
\author{Turing Burling}
\date{September 2020}
\begin{document}
\maketitle
\section{I am section}
Hello world!, Let's start \LaTeX
\end{document}
```

I am a title

Turing Burling

September 2020

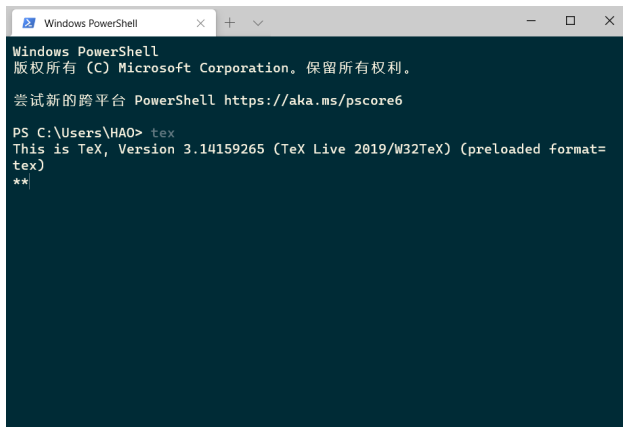
1 I am section

Hello world!, Let's start \LaTeX

Environment

Local environment is not recommended,
consider using <https://www.overleaf.com/>
If you want install Latex on your computer

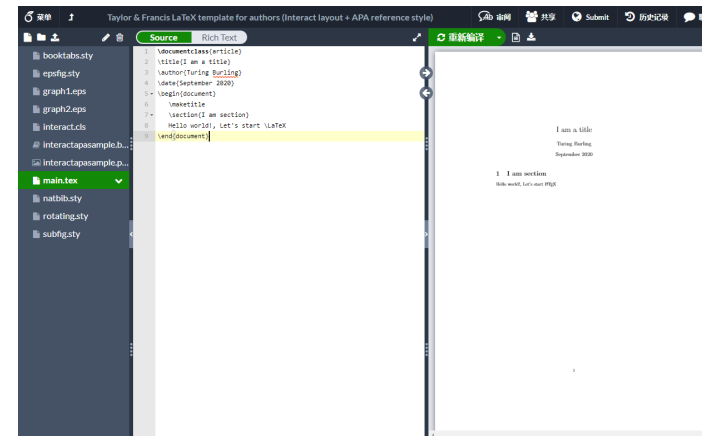
- Windows and linux, TeXLive: <https://www.tug.org/texlive/>
- MacOS, MacTeX: <https://www.tug.org/mactex/>



```
Windows PowerShell
版权所有 (C) Microsoft Corporation。保留所有权利。

尝试新的跨平台 PowerShell https://aka.ms/pscore6

PS C:\Users\HAO> tex
This is TeX, Version 3.14159265 (TeX Live 2019/W32TeX) (preloaded format=
tex)
**
```



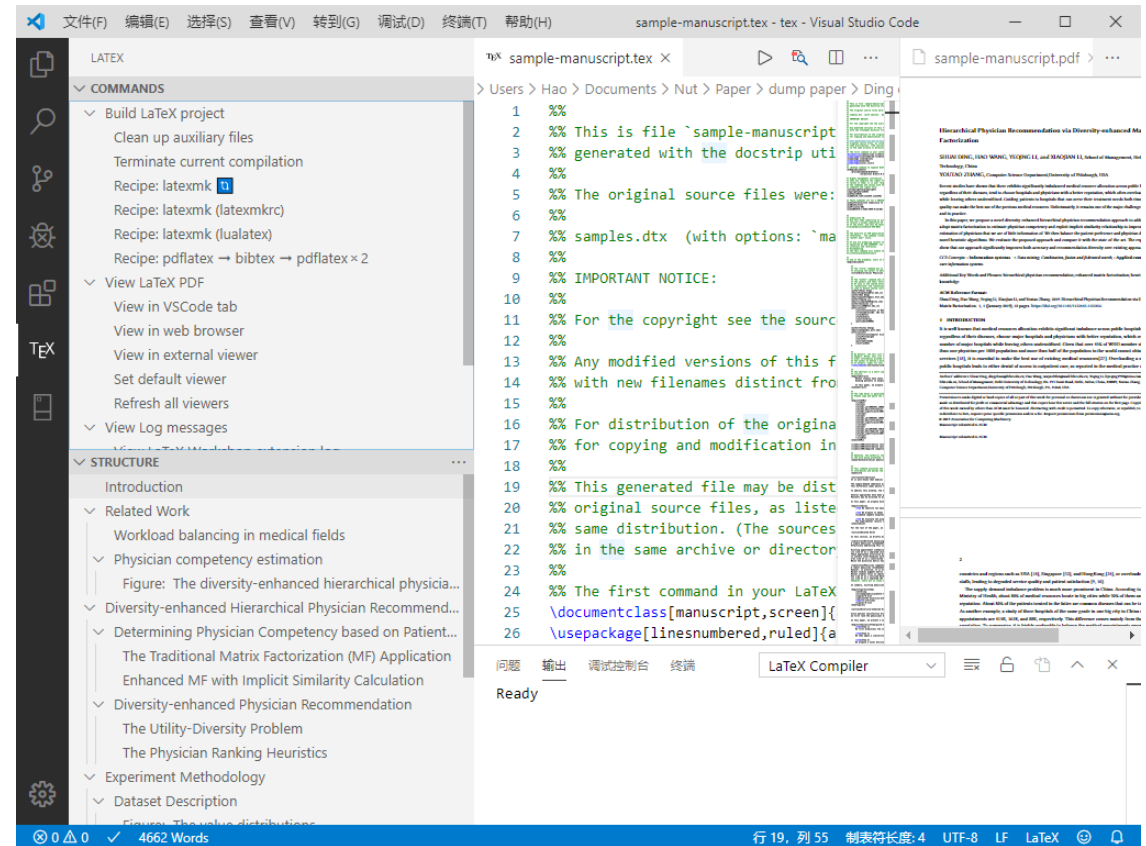
Environment

Using offline

- TexStudio
- VSCode Latex Workshop

mirrors.tuna.tsinghua.edu.cn

mirrors.ustc.edu.cn



LaTeX syntax

- A simplest *LaTeX* :

```
\documentclass{article} %Document type
\title{Title} %Document title
\begin{document} %Main body
\maketitle %Make title
Hello world!, Let's start \LaTeX %Simple paragraph
\end{document} %End document
```

I am a title

Turing Burling

September 2020

1 I am section

Hello world!, Let's start \LaTeX

LaTeX syntax

Affiliation and footnote:

- `\usepackage{authblk}`

```
\renewcommand\Affilfont{\itshape\small}  
\author[1]{Hao~Wang, Sherleen~Zhu \thanks{Happy everyday}}%  
\author[2]{Turling Burling}  
\affil[1]{Hefei University of Technology}  
\affil[2]{University of Pittsburgh}  
\maketitle
```

Title

Hao Wang, Sherleen Zhu ^{*1} and Turling Burling²

¹*Hefei University of Technology*
²*University of Pittsburgh*

I will ref the table here 1
Here is a figure 1

*Happy everyday

LaTeX syntax

Abstract:

```
\begin{abstract}  
I am abstract  
\end{abstract}
```

Title

January 21, 2020

Abstract

I am abstract

LaTeX syntax

Key words:

Most journal template provide the keywords syntax, here we identify a simplest format.

```
\providecommand{\keywords}[1] %  
{  
  \small  
  \textbf{\textit{Keywords---}} #1  
}  
\keywords{one, two, three, four}
```

Title

January 21, 2020

Abstract

I am abstract

Keywords— one, two, three, four
Hello world!, Let's start \LaTeX

LaTeX syntax

Section:

```
\section{Introduction}  
\subsection{Overview of the proposed method}
```

Title

January 21, 2020

Abstract

I am abstract

Keywords— one, two, three, four

1 Introduction

Hello world!, Let's start \LaTeX

1.1 Overview of the proposed method

Let's do something cool

LaTeX syntax

Appendix:

```
\section*{Acknowledgement}  
\section*{Appendix}
```

Title

January 21, 2020

Abstract

I am abstract

Keywords— one, two, three, four

1 Introduction

Hello world!, Let's start \LaTeX

1.1 Overview of the proposed method

Let's do something cool

Acknowledgement

Appendix

LaTeX syntax

List:

```
\begin{itemize}  
\item item 1  
\item item 2  
\end{itemize}
```

- item 1
- item 2

```
\begin{enumerate}  
\item item 1  
\item item 2  
\end{enumerate}
```

1. item 1
2. item 2

LaTeX syntax

Table:

```
\begin{table}[]  
\begin{tabular}{ c c c }  
cell1 & cell2 & cell3 \\  
cell4 & cell5 & cell6 \\  
cell7 & cell8 & cell9  
\end{tabular}  
\end{table}
```

cell1	cell2	cell3
cell4	cell5	cell6
cell7	cell8	cell9

```
\begin{table}[]  
\begin{tabular}{ c c c }  
\hline  
cell1 & cell2 & cell3 \\  
\hline  
cell4 & cell5 & cell6 \\  
cell7 & cell8 & cell9 \\  
\hline  
\end{tabular}  
\end{table}
```

cell1	cell2	cell3
cell4	cell5	cell6
cell7	cell8	cell9

LaTeX syntax

Table:

```
\begin{table}[]  
\begin{tabular}{|c|c|c|} % aligned  
\hline %line  
\multicolumn{2}{|c|}{cell1} & cell3 \\ \hline %merge line  
cell4 & cell5 & \multirow{2}{*}{cell6} \\ \cline{1-2} %merge column  
cell7 & cell8 & \\ \hline  
\end{tabular}  
\end{table}
```

```
\begin{table}[]  
\caption{I am sample table}  
\label{tab1sample}  
\centering  
\begin{tabular}{|c|c|c|}  
\hline  
\multicolumn{2}{|c|}{cell1} & cell3 \\ \hline  
cell4 & cell5 & \multirow{2}{*}{cell6} \\ \cline{1-2}  
cell7 & cell8 & \\ \hline  
\end{tabular}  
\end{table}
```

I will ref the table here~\ref{tab1sample}

cell1		cell3
cell4	cell5	cell6
cell7	cell8	

Table 1: I am sample table

cell1		cell3
cell4	cell5	cell6
cell7	cell8	

I will ref the table here 1

LaTeX syntax

Table location control

- h: where the table is declared (here)
- t: at the top of the page
- b: at the bottom of the page
- p: on a dedicated page of floats
- !: override the default float restrictions.

LaTeX syntax

- Image

```
\begin{figure}[!t]
\centering
\includegraphics[width=1.13in]{pic/1-1}
\caption{I am sample figure.}
\label{fig1sample}
\end{figure}
```

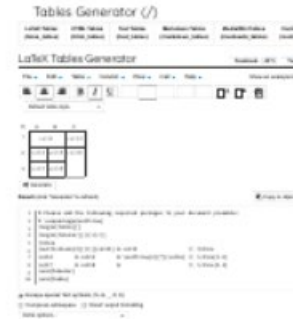


Figure 1: I am sample figure.

LaTeX syntax

- Multi Image

```
\begin{figure}[!t]
\centering
\includegraphics[width=1.13in]{pic/1-1}
\includegraphics[width=1.13in]{pic/1-1}
\includegraphics[width=1.13in]{pic/1-1}
\caption{I am sample figure.}
\label{fig1sample}
\end{figure}
```



Figure 1: I am sample figure.

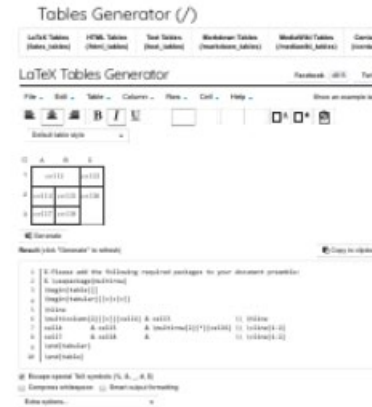
LaTeX syntax

- Multi Image with subtitle

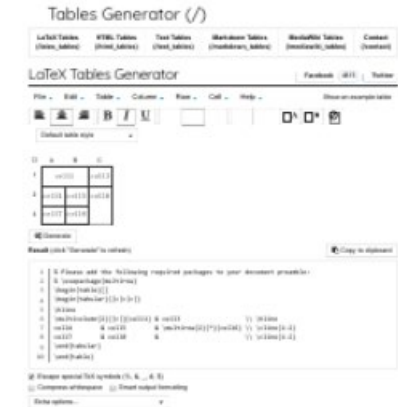
```

\begin{figure}[!t]
\centering
\subfloat[]{}
\includegraphics[width=1.6in]{pic/1-1}
}
\subfloat[]{}
\includegraphics[width=1.6in]{pic/1-1}
}
\quad
\subfloat[]{}
\includegraphics[width=1.6in]{pic/1-1}
}
\subfloat[]{}
\includegraphics[width=1.6in]{pic/1-1}
}
\caption{combine 4 picture}
\label{fig2combine}
\end{figure}

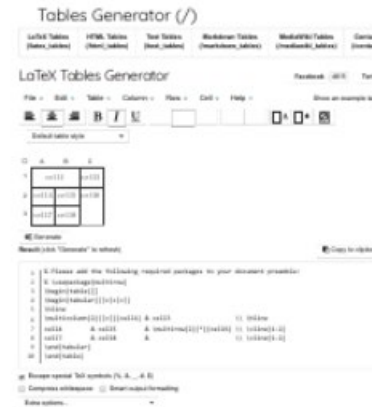
```



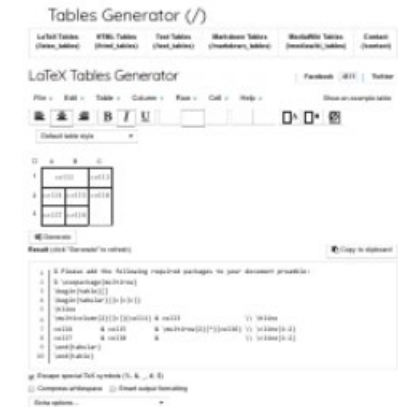
(a)



(b)



(c)



(d)

Figure 2: combine 4 picture

LaTeX syntax

- algorithm

```
\begin{algorithm}[H]
\SetAlgoLined
\KwData{this text}
\KwResult{how to write algorithm with \LaTeX2e}
}
initialization\;
\While{not at end of this document}{
read current\;
\If{understand}
{go to next section\;
current section becomes this one\;}
{go back to the beginning of current section\;}
}
\label{Algorithmsample}
\caption{How to write algorithms}
\end{algorithm}
```

Data: this text

Result: how to write algorithm with $\text{\LaTeX}2e$ initialization;

while *not at end of this document* **do**

 read current;

if *understand* **then**

 go to next section;

 current section becomes this one;

else

 go back to the beginning of current section;

end

end

Algorithm 1: How to write algorithms

LaTeX syntax

- algorithm

```
\begin{algorithm}
\caption{How to write algorithms}
\label{algo2}
\begin{algorithmic}[H]
\REQUIRE this text
\ENSURE how to write algorithm with \LaTeX
\WHILE{not at end of this document}
\STATE read current
\IF {understand}
\STATE go to next section
\STATE current section becomes this one
\ELSE
\STATE go back to the beginning of current section
\ENDIF
\ENDWHILE
\label{Algorithmsample}
\end{algorithmic}
\end{algorithm}
```

Algorithm 1 How to write algorithms

Require: this text

Ensure: how to write algorithm with \LaTeX

while not at end of this document **do**

 read current

if understand **then**

 go to next section

 current section becomes this one

else

 go back to the beginning of current section

end if

end while

LaTeX syntax

- Equation

- Inline : $a=b+c$
- Equation block:

```
\begin{equation}
\label{eq1}
a^2=b^2+c^2
\end{equation}
```

- Non list equation: $a^2=b^2+c^2$

$$a = b + c,$$

$$a^2 = b^2 + c^2 \tag{1}$$

$$a^2 = b^2 + c^2$$

- Online

<https://www.latex4technics.com/>

<https://www.codecogs.com/latex/eqneditor.php/>

LaTeX syntax

Reference

- Using bbl

```
\begin{thebibliography}{1}  
\bibitem{citekey}  
H.~Kopka and P.~W. Daly, \emph{A Guide to \LaTeX}, 3rd~ed.\hskip 1em plus  
0.5em minus 0.4em\relax Harlow, England: Addison-Wesley, 1999.  
\end{thebibliography}
```

```
Here, we will cite a reference~\cite{citekey}
```

- Using bib

Create by Zotero, Mendeley, etc.

7 Citation


Here, we will cite a reference [1]

References

[1] H. Kopka and P. W. Daly, *A Guide to \LaTeX* , 3rd ed. Harlow, England: Addison-Wesley, 1999.

Zotero

- Setup
- Import library
- Add new item
- Plugins
- Cite in Latex
- Cite in Word

A dark-themed promotional banner for Zotero. The main headline reads "Your personal research assistant" in large white font. Below it, a sub-headline states "Zotero is a free, easy-to-use tool to help you collect, organize, cite, and share research." A prominent red button with the word "Download" is centered. Below the button, it says "Available for Mac, Windows, and Linux" and "New: Just need to create a quick bibliography? Try ZoteroBib." The banner is decorated with several colorful icons: a red speech bubble, a teal document icon, a blue book icon, a blue person icon, a green printer icon, and a blue grid icon.

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Zotero

The screenshot displays the Zotero application window. On the left, a sidebar shows a hierarchical library structure under 'My Library', including folders for 'Anxiv', 'books', 'COVID-19', 'CV', 'Medical Image', 'ML', 'shuwan', 'Surgical', and 'x.Ref'. The main pane shows a list of items with columns for Title, Creator, Item Type, Year, Publisher, Publication, and Citekey. The selected item is 'Imbalanced Classification with Python: Better Metrics, Balance Skewed Classes, Cost-Sensitive Learning' by Brownlee, published in 2020 as a Machine Learning Mastery book. The right-hand pane provides detailed metadata for this book, including its title, author (Jason Brownlee), publisher (Machine Learning Mastery), date (2020-01-14), and ISBN (9781449196037). It also lists the series 'Machine Learning Mastery' and provides access information like 'Google Books' and 'Library Catalog'.

Title	Creator	Item Type	Year	Publisher	Publication	Citekey
Smart connected electronic gastroscope system for gastric cancer screening using m...	Wang et al.	Journal Article	2019		International Jo... 1...	wang20...
kaixin96/PANet	WANG	Software	2020		1...	wang20...
Res2net: A new multi-scale backbone architecture	Gao et al.	Journal Article	2019		IEEE transaction... 1...	gao201...
Ficklenet: Weakly and semi-supervised semantic image segmentation using stochasti...	Lee et al.	Conference Pa...	2019		Proceedings of ... 1...	lee2019...
Dynamic Few-Shot Visual Learning Without Forgetting	Gidaris and Komo...	Conference Pa...	2018		1...	gidaris2...
Learning Aligned-Spatial Graph Convolutional Networks for Graph Classification	Bai et al.	Conference Pa...	2019	Springer	Joint European ... 1...	bai2019...
Omni-Ensemble Learning (OEL): Utilizing Over-Bagging, Static and Dynamic Ensembl...	Mousavi et al.	Journal Article	2018		International Jo... 1...	mousav...
Cost-Sensitive Learning	Ling and Sheng	Book Section	2010	Springer ...	Encyclopedia of... 1...	ling201...
SMOTE: Synthetic Minority Over-sampling Technique	Chawla et al.	Journal Article	2002		Journal of Artifi... 1...	chawla...
Imbalanced Classification with Python: Better Metrics, Balance Skewed Classes, Cost-S...	Brownlee	Book	2020	Machine ...	1...	brownl...
A Review on Deep Learning Techniques Applied to Semantic Segmentation	Garcia-Garcia et al.	Journal Article	2017		arXiv:1704.0685... 1...	garcia-...
Prototypical Networks for Few-shot Learning	Snell et al.	Book Section	2017	Curran As...	Advances in Ne... 1...	snell20...
PANet: Few-Shot Image Semantic Segmentation With Prototype Alignment	Wang et al.	Conference Pa...	2019		2019 IEEE/CVF I... 1...	wang20...
Feature Pyramid Transformer	Zhang et al.	Conference Pa...	2020		European Conf... 1...	zhang2...
Beyond Fixed Grid: Learning Geometric Image Representation with a Deformable G...	Gao et al.	Conference Pa...	2020		European Conf... 1...	gao202...
Interpretable and Accurate Fine-grained Recognition via Region Grouping	Huang and Li	Conference Pa...	2020	IEEE	2020 IEEE/CVF ... 1...	huang2...
iDoctor: Personalized and professionalized medical recommendations based on hybri...	Zhang et al.	Journal Article	2017		Future Generati... 9...	zhang2...
Analysis of the human diseaseome using phenotype similarity between common, gene...	Hoehndorf et al.	Journal Article	2015		Scientific Reports 9... 1	hoehnd...
Choice of hospital: Which type of quality matters?	Gutacker et al.	Journal Article	2016		Journal of Healt... 9...	gutacke...
DisSim: an online system for exploring significant similar diseases and exhibiting pote...	Cheng et al.	Journal Article	2016		Scientific Reports 9... 1	cheng2...
Computing semantic similarity between biomedical concepts using new information c...	Ben Aouicha and ...	Journal Article	2016		Journal of Biom... 9...	benauo...
腹腔镜微创手术机器人的主从控制	牛 et al.	Journal Article	2019		机器人 8... ...	niu201...
微创手术机器人从手系统控制的研究	邹	Thesis	2019	哈尔滨工...	8...	zou201...
内镜微创保胆手术治疗胆囊良性疾病专家共识(2018版)	朱	Journal Article	2018		中国内镜杂志 8... ...	zhu201...
Focal Loss for Dense Object Detection	Lin et al.	Journal Article	2020		IEEE Transactio... 8... 2	lin2020...
Residual Attention Network for Image Classification	Wang et al.	Conference Pa...	2017		2017 IEEE Conf... 8...	wang20...
Rich Feature Hierarchies for Accurate Object Detection and Semantic Segmentation	Girshick et al.	Conference Pa...	2014		2014 IEEE Conf... 8...	girshick...
SSD: Single Shot MultiBox Detector	Liu et al.	Conference Pa...	2016	Springer I...	Computer Visio... 8...	liu2016...
Faster R-CNN: Towards Real-Time Object Detection with Region Proposal Networks	Ren et al.	Book Section	2015	Curran As...	Advances in Ne... 8...	ren201...
Fast R-CNN	Girshick	Conference Pa...	2015		2015 IEEE Inter... 8...	girshick...
Region-Based Convolutional Networks for Accurate Object Detection and Segmentati...	Girshick et al.	Journal Article	2016		IEEE Transactio... 8... 1	girshick...
微创外科手术机器人技术研究进展	付宜利潘博;	Journal Article	2019		哈尔滨工业大... 8... ...	fuyili;pa...
Transform domain representation-driven convolutional neural networks for skin lesio...	Pezhman Pour an...	Journal Article	2020		Expert Systems ... 8...	pezhma...
An efficient convolutional neural network for coronary heart disease prediction	Dutta et al.	Journal Article	2020		Expert Systems ... 8...	dutta20...
Breast tumor segmentation and shape classification in mammograms using generativ...	Singh et al.	Journal Article	2020		Expert Systems ... 8...	singh20...
A weight perturbation-based regularisation technique for convolutional neural netwo...	Khatami et al.	Journal Article	2020		Expert Systems ... 8...	khatam...

Setup

- Download

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

- Zotero Connector









<https://chrome.google.com/webstore/detail/ekhagklcjbdpajgpjgmbionohlpdbjgc>









<https://www.zotero.org/support/zh/start>

Item type

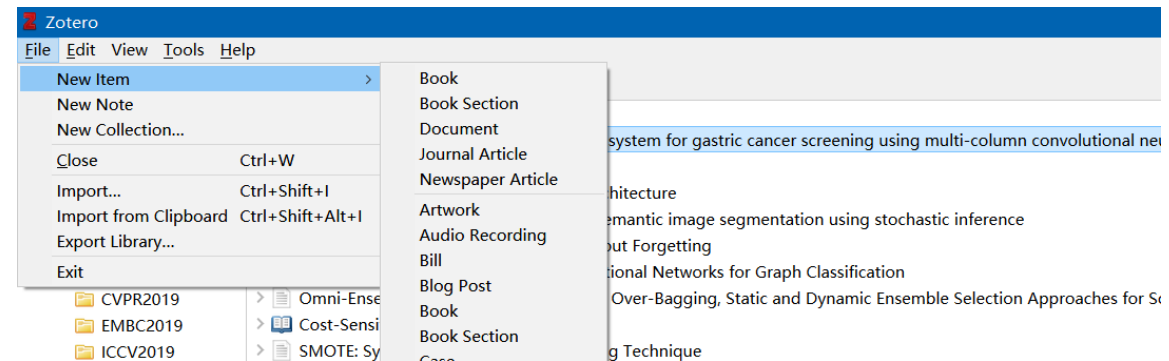
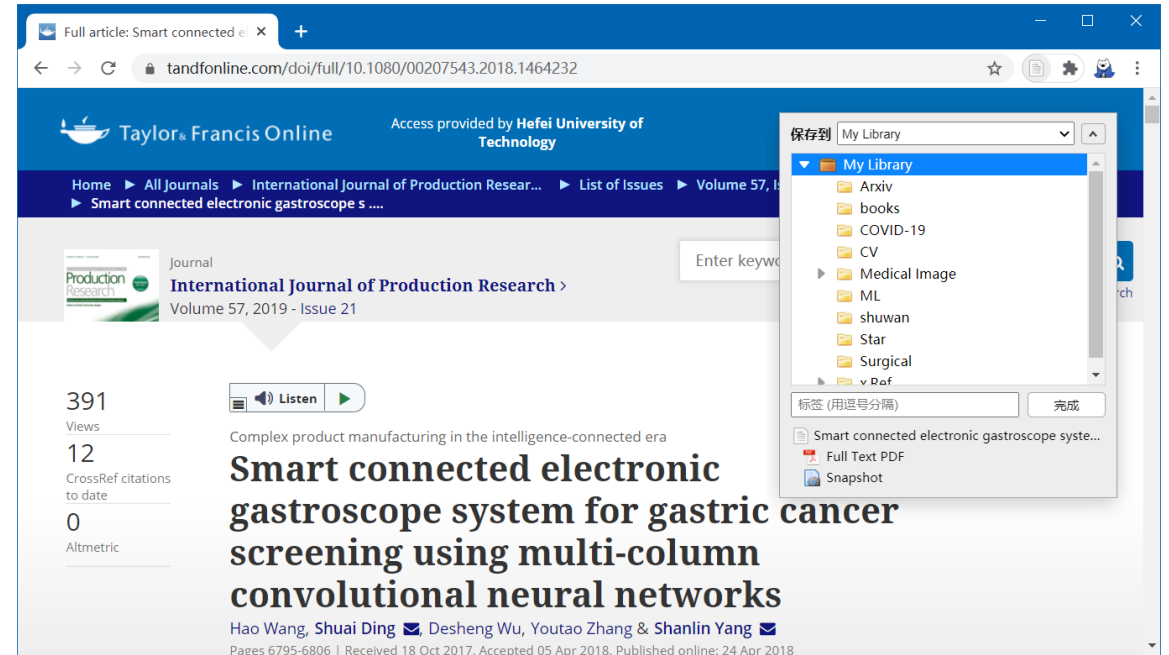
Title

- >  Prototypical Networks for Few-shot Learning
- >  PANet: Few-Shot Image Semantic Segmentation With Prototype Alignment
- >  Feature Pyramid Transformer
- >  Beyond Fixed Grid: Learning Geometric Image Representation with a Deformable Grid
- >  Interpretable and Accurate Fine-grained Recognition via Region Grouping
- >  Vox2Vox: 3D-GAN for Brain Tumour Segmentation
- >  Speech2Action: Cross-modal Supervision for Action Recognition
- >  Using Unknown Occluders to Recover Hidden Scenes

-  • Book Section
-  • Conference paper
-  • Journal Article
-  • Thesis
-  • Book
-  • Code

Add new item

- From web
- From client import



Plugins

- Better BibTex for Zotero

Make Zotero useful for us LaTeX holdouts.

- Zotero DOI Manager

Zotero plugin for auto-fetching and validating DOI and shortDOI names

- Zotero Scholar Citations

Zotero plugin for auto-fetching numbers of citations from Google Scholar

- ZotFile

Advanced PDF management for Zotero

Cite in Latex

- Export the collection



```
@inproceedings{citekey,  
  title = {An {{Unsupervised Learning Model}} for {{Deformable Medical Image Registration}}},  
  booktitle = {2018 {{IEEE}}/{{CVF Conference}} on {{Computer Vision}} and {{Pattern Recognition}}},  
  author = {Balakrishnan, Guha and Zhao, Amy and Sabuncu, Mert R. and Dalca, Adrian V. and Guttag, John},  
  date = {2018-06},  
  pages = {9252--9260},  
  publisher = {{IEEE}},  
  location = {{Salt Lake City, UT}},  
  doi = {10/ggchmh},  
  url = {https://ieeexplore.ieee.org/document/8579062/},  
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  abstract = {We present a fast learning-based algorithm for deformable, pairwise 3D medical image registration.  
  eventtitle = {2018 {{IEEE}}/{{CVF Conference}} on {{Computer Vision}} and {{Pattern Recognition}} {{CVPR}}},  
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  isbn = {978-1-5386-6420-9},  
  langid = {english},  
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ZSCC: 0000083}  
}
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- Cite item with citekey

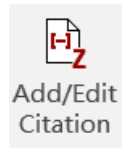
Here, we will cite a reference~\cite{citekey}

Cite in Word

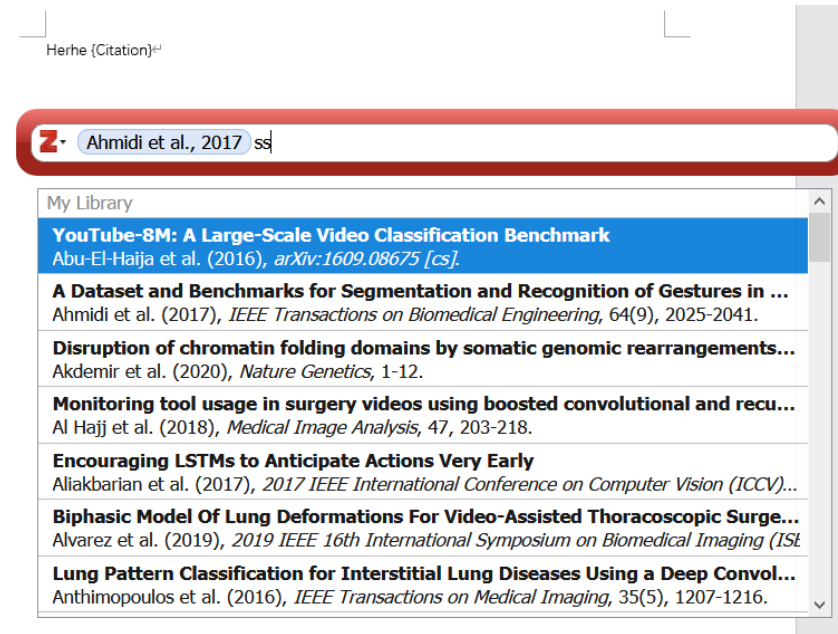
- Check word plugin



- Add or edit citation



- Add or edit bibliography



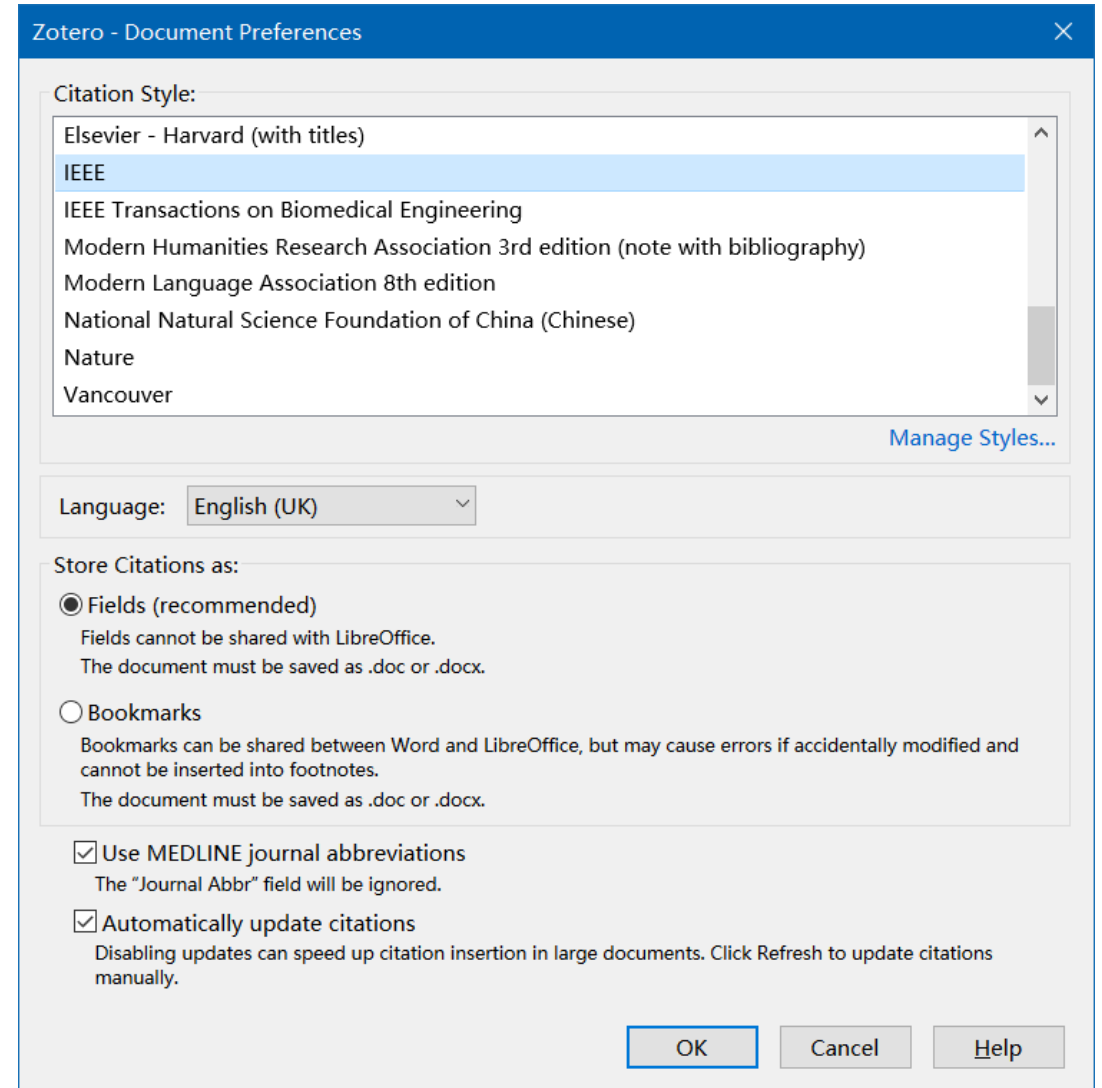
Ref[↵]

- [1] N. Ahmidi *et al.*, 'A Dataset and Benchmarks for Segmentation and Recognition of Gestures in Robotic Surgery', *IEEE Trans. Biomed. Eng.*, vol. 64, no. 9, pp. 2025–2041, Sep. 2017, doi: 10/gbyhfy[↵]
- [2] H. Al Hajj, M. Lamard, P.-H. Conze, B. Cochener, and G. Quellec, 'Monitoring tool usage in surgery videos using boosted convolutional and recurrent neural networks', *Med. Image Anal.*, vol. 47, pp. 203–218, Jul. 2018, doi: 10/gdyrxd[↵]

↵

Select Cite style

- Click documents preferences
- Choose a preferred style
- Refresh



Sync with Zotero or WebDAV

- Zotero provides cloud sync storage with 1GB
- Consider using WebDAV to sync the library

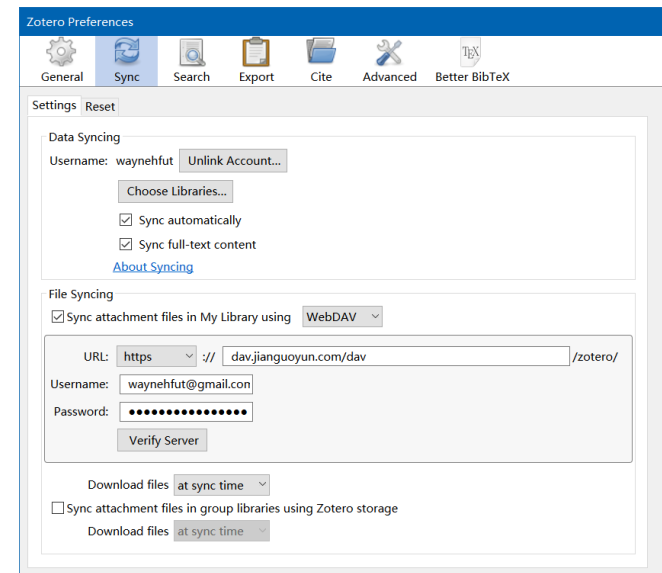
Example

Server: `https://dav.jianguoyun.com/dav/`

Account: `waynehfut@gmail.com`

Password: (Password)

Name	Authorization Date	Password	
api	2018-04-17	Display Password	Revoke
keepass	2020-09-28	Display Password	Revoke
zerote	2019-01-06	Display Password	Revoke
坚果云收件箱	2019-10-15	Display Password	Revoke
薄荷	2019-10-17	Display Password	Revoke



Some useful link

- Zotero中文教程

https://www.zotero.org/support/zh/quick_start_guide

- LaTeX Wiki

<https://en.wikibooks.org/wiki/LaTeX/Tables>

- 使用LaTeX写论文

<https://blog.waynehfut.com/2020/01/20/intro-to-tex/>

- 20分钟学会使用Git

<https://blog.waynehfut.com/2020/02/20/quickgittur/>

Cheers!

Hao Wang

<https://waynehfut.com>