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Homework on literature search & reference management
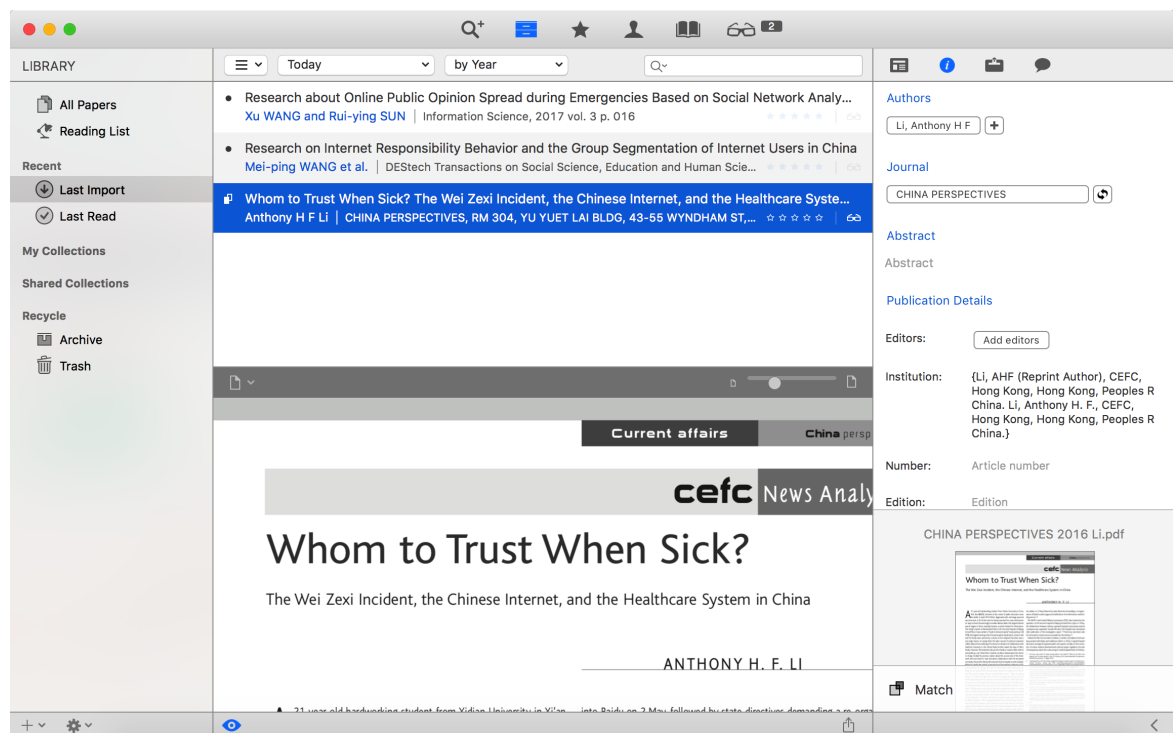
(Hand in on Nov. 13, 2018 before class)

1. Please list five or more of the frequently-used databases related to your majors.

1. Chinese Science Citation Database, CSCD),

2. Web of Science (SCIE, SSCI, A&HCI, ISI Proceedings),

3. EBSCO,

4. Foundations and Trends® Technology eBooks Library,

5. IEEE/IET Electronic Library

2. Firstly, search literature on the area that you are interested in (e.g., "arithmetic for computers", "fine blanking", etc.) through the library database Web of Science. Then do the following exercises:

(1) Install the reference manager EndNote in your laptop (You can download the trial version via http://endnote.com/downloads/30-day-trial) or other reference manager (such as NoteExpress http://www.lib.sjtu.edu.cn/index.php?m=content&c=index&a=show&catid=223&id=234). Then, save the complete bibliographic records of two or more articles that you are interested in, including the abstracts, to EndNote desktop or other reference manager.

(2) Analyze the records searched through Web of Science, and answer the following questions:

1) How about the publication year distribution of the searched records?

Publication Years

- [ ] 2019 (12)
- [ ] 2018 (1,181)
- [ ] 2017 (1,989)
- [ ] 2016 (1,977)
- [ ] 2015 (1,720)

It's most concerned at 2016 and 2017.
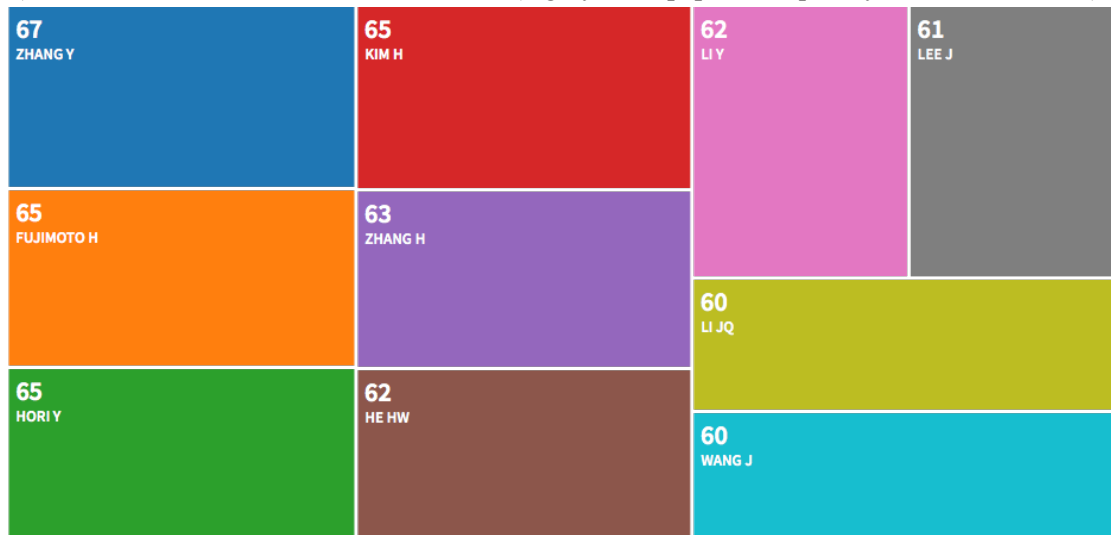
2) Who writes the most articles?

Authors ▲

- [ ] FUJIMOTO H (65)
- [ ] HORI Y (65)
- [ ] KIM H (65)
- [ ] HE HW (62)
- [ ] LI Y (62)

more options / values...

FOJIMOTO, a Japanese writes the most articles.

3) Whose articles are the most concerned? (highly cited papers, frequently-used articles, etc.)

67 ZHANG Y	65 KIM H	62 LI Y	61 LEE J
65 FUJIMOTO H	63 ZHANG H	60 LI JQ	
65 HORI Y	62 HE HW	60 WANG J	

Zhang Y's articles are the most concerned.

Notes:

1. Use key words in the literature search, e.g., "cloud computing". Besides, try to use different forms, representative synonyms and near-synonyms of the key words, e.g., different forms and synonyms of "electric vehicle*" can be "electric car*", EV, etc.

2. When you want to access the databases off campus, we suggest you try the Proxy Service or VPN Service: http://net.sjtu.edu.cn/wlfw/xywdl.htm.

3. If you run into difficulties, please do not hesitate to email the library mechanical engineering subject service team by qlhuang@lib.sjtu.edu.cn, xgao@lib.sjtu.edu.cn, zlchen@lib.sjtu.edu.cn or ywang@lib.sjtu.edu.cn.