

Introduction to Citation Management Software

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1. Why citation management?
2. Program selection
3. Market overview / Introduction to EndNote

1. Why citation management?

1. Why citation management?

Writing scientific documents requires literature search, organization and reading.

Problems:

- Collection and creation of bibliographic data, electronic full texts and notes by hand?
 - Time-consuming
 - Danger of incorrect data
 - Overview can easily get lost -> chaos, duplicate work

1. Why citation management?

Citation management programs offer

- Central database for bibliographic data, full texts and notes
- Help with search in different types of resources (catalogues, databases) with import options
- Different options to organize your literature (keywords, groups)
- Functions to collect notes, comments etc.
- **Offer support for most task while writing documents / reviewing literature**

1. Why citation management?

When writing a document, the used literature has to be cited correctly

La₂TCu₃O₇ - III. Physical Review B 37.1. S. 577-602.

Weber, Werner (1987). "Electron-phonon interaction in the new superconductors $\text{La}_{2-x}(\text{Ba},\text{Sr})_x\text{CuO}_4$ ". In: *Physical Review Letters* 58.13. S. 1371-1374. DOI: 10.1103/PhysRevLett.58.1371.

Wheatley, J. M., T. C. Hsu und P. W. Anderson (1988). "Interlayer pair hopping: Superconductivity from the resonating-valence-bond state". In: *Physical Review B* 37. S. 5897-5900.

Wolf, Stuart A. und Lorenz, Vladimir Hr. (1987). *International Workshop*

- Creation of citations and bibliographies
 - Takes a lot of work
 - Formatting is often complex and time-demanding
 - Danger of erroneous citations

1. Why citation management?

Citation management programs offer

- Automatic insertion of citation, footnotes and bibliographies based on your local database
- Automatic formatting based on different citation styles

1. Why citation management?

Additional functions

- Collaborative work: Sharing references between different people
- Online reference management: Save your references in the cloud

1. Why citation management?

Software requirements

- Create references
- Import references from different sources
- Link references with full texts
- Search in different online resources
- Enter notes, thoughts, comments
- Classification, groups and keywords
- Import/export function between different programs
- Automatic insertion of citations and bibliographies
- Automatic formatting

2. Program selection

2. Program selection

Lots of different programs are available, they differ in

- Functions
- Price / license
- Operating system compatibility
- Desktop / online

Detailed comparisons:

- Wikipedia:
http://en.wikipedia.org/wiki/Comparison_of_reference_management_software
- [Software comparison TU München](#)
- OpenOffice.org wiki
http://wiki.services.openoffice.org/wiki/Bibliographic_Software_and_Standards_Information

2. Program selection

Decision criteria

- Which operating systems are compatible with the program?
- Which word processors are compatible with the program?
- What is the price? Can I continue to use the program after leaving my institution?
- Which functions does the program offer?
- How user-friendly is it?
- Is there an online version?

2. Program selection

List of programs:

- **EndNote**
- Citavi
- Zotero
- Mendeley
- BibTeX/JabRef
- Papers

3. Market overview: EndNote

- <http://endnote.com/>
- For Windows and Mac
- Commercial program
- € 180 / €110 for students
- Campus license for FSU students and employees
- User interface only in English
- Integration with Word, OpenOffice, Apple Pages

The EndNote logo is displayed in a large, bold, red font. It is enclosed in a thin red rectangular border that is open on the left side. The text 'ENDNOTE' is followed by a registered trademark symbol (®).

The most powerful tool
for managing your research.

3. Market overview: EndNote

- Installation
- Download <http://www.tu-ilmenau.de/unirz/EndNote-X6-X7.4952.0.html> (only possible inside the IP range of the university)
- Unpack zip file and install

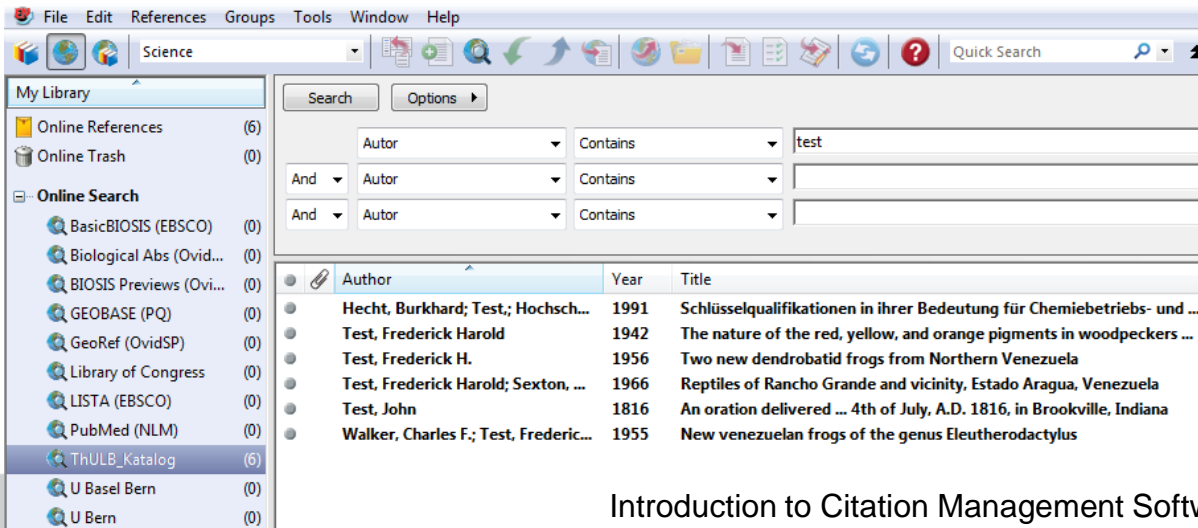
ENDNOTE[®]

The most powerful tool
for managing your research.

3. Market overview: EndNote

Special features:

- Well suited for the work with PDF files (annotations, search for full texts)
- Large amount of citation stiles, good integration with word processors
- Platform independent web version (free), which can be used for sharing references



3. EndNote: Interface

The screenshot displays the EndNote software interface. On the left is a navigation pane with sections like 'My Library', 'My Groups', 'Online Search', and 'Find Full Text'. The main window shows a search results table with columns for Author, Year, Title, Rating, Journal, Last Updated, Reference Type, and Keyw. Below the table is a preview of a selected reference, showing the PLOS ONE logo and the title: 'Inactivation of the CovR/S Virulence Regulator Impairs Infection in an Improved Murine Model of *Streptococcus pyogenes* Naso-Pharyngeal Infection'.

Author	Year	Title	Rating	Journal	Last Updated	Reference Type	Keyw
		<ol1002708.pdf>			24.10.2013	Journal Article	
		<10.1007_978-3-8274-2217-0_3.pdf>			24.10.2013	Journal Article	
		<nejmoa0707943.pdf>			24.10.2013	Journal Article	
		Jena Picture			29.10.2013	Figure	
	1985	Proceedings of the 4th Annual Test & Measurement World Expo, May...			24.10.2013	Book	Elect
Adobati, E.; Zacchetti, A.; Perico, ...	1999	Expression profile of saccharide epitope CaMBr1 in normal and neoplasti...		Histochem J	24.10.2013	Journal Article	Anin
Adobati, E.; Zacchetti, A.; Perico, ...	1999	Expression profile of saccharide epitope CaMBr1 in normal and neoplasti...		Histochemical Journal	24.10.2013	Journal Article	tum
Afify, A.; Bland, K. I.; Mark, H. F.	1996	Fluorescent in situ hybridization assessment of chromosome 8 copy n...		Breast Cancer Res Treat	24.10.2013	Journal Article	Age
Air Force Missile Development C...	1962	Proceedings of the AFMDC Inertial Guidance Test Symposium, 16-17 ...			24.10.2013	Book	Iner
Airley, R.	2012	Lab reports and cat scans: can veterinary oncology guide our way to n...		Future Med Chem	24.10.2013	Journal Article	Anin
Akkoc, A.; Inan, S.; Sonmez, G.	2012	Matrix metalloproteinase (MMP-2 and MMP-9) and steroid receptor ...		Biotech Histochem	24.10.2013	Journal Article	Anin
Aktiegroep Man Vrouw Maatsch...	1978	Sekse & test : werkmap			24.10.2013	Book	Sex
Alam, F. M.; Turner, C. E.; Smith, ...	2013	Correction: Inactivation of the CovR/S Virulence Regulator Impairs In...		PLoS One	29.10.2013	Journal Article	
Alexander, George; USAF Easter...	1970	Moonport, U.S.A.; the fascinating story of Cape Kennedy and this nati...			24.10.2013	Book	Johr

Reference | Preview | Alam-2013-Correction_Inactiva.pdf | 197%

OPEN ACCESS Freely available online

PLOS ONE

Inactivation of the CovR/S Virulence Regulator Impairs Infection in an Improved Murine Model of *Streptococcus pyogenes* Naso-Pharyngeal Infection

Showing 397 of 397 references. Layout

3. EndNote – Create references

- Manual entry
- Import from databases/catalogues

Reference Type: Journal Article

Rating
• • • • •

Author
Adobati, E.
Zacchetti, A.
Perico, M. E.
Cremonesi, F.
Rasi, G.
Vallebona, P. S.
Hagenaars, M.
Kuppen, P. J. K.
Pastan, I.
Panza, L.
Russo, G.
Colnaghi, M. I.
Canevari, S.

Year
1999

Title
Expression profile of saccharide epitope CaMBr1 in norma

Journal
Histochemical Journal

Volume
31

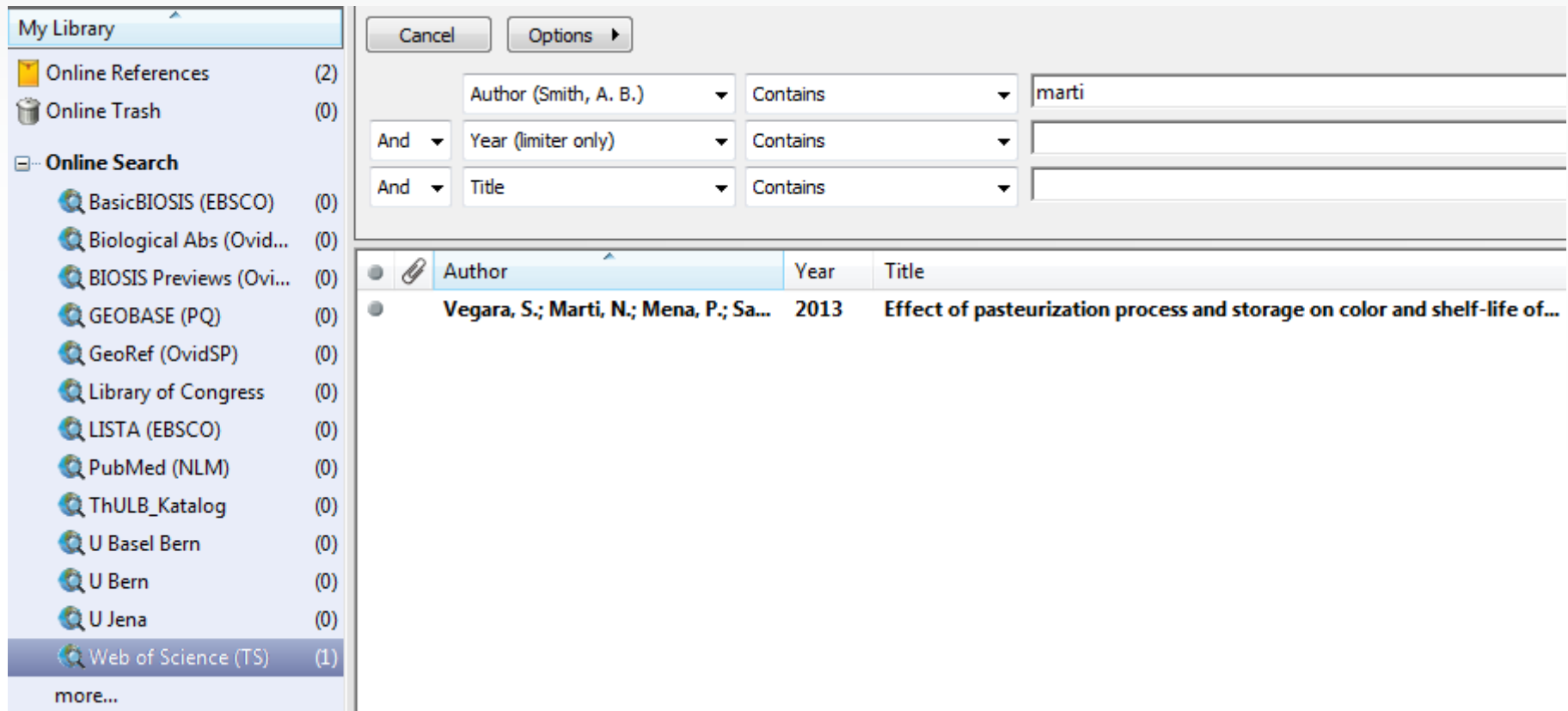
Issue
11

Pages
729-737

Start Page

3. EndNote – Create references

- Online search in databases/catalogues inside EndNote



The screenshot shows the EndNote search interface. On the left is a sidebar with a tree view under 'My Library' containing 'Online References (2)', 'Online Trash (0)', and 'Online Search'. Under 'Online Search', various databases are listed with their respective counts: BasicBIOSIS (EBSCO) (0), Biological Abs (Ovid...) (0), BIOSIS Previews (Ovi...) (0), GEOBASE (PQ) (0), GeoRef (OvidSP) (0), Library of Congress (0), LISTA (EBSCO) (0), PubMed (NLM) (0), ThULB_Katalog (0), U Basel Bern (0), U Bern (0), U Jena (0), and Web of Science (TS) (1). A 'more...' link is at the bottom of the sidebar.

The main search area has a 'Cancel' button and an 'Options' button. Below them are three search criteria rows:

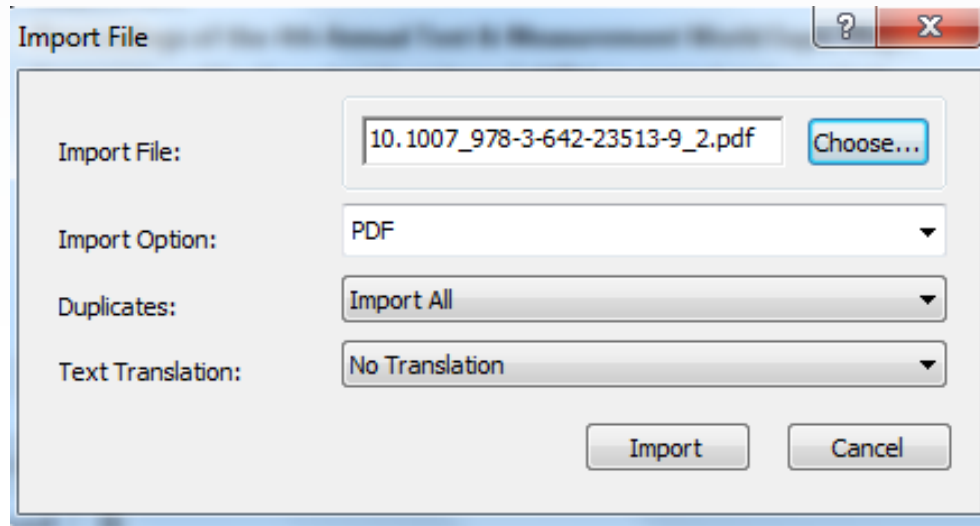
Author (Smith, A. B.)	Contains	marti
And Year (limiter only)	Contains	
And Title	Contains	

Below the search criteria is a table of search results:

Author	Year	Title
Vegara, S.; Marti, N.; Mena, P.; Sa...	2013	Effect of pasteurization process and storage on color and shelf-life of...

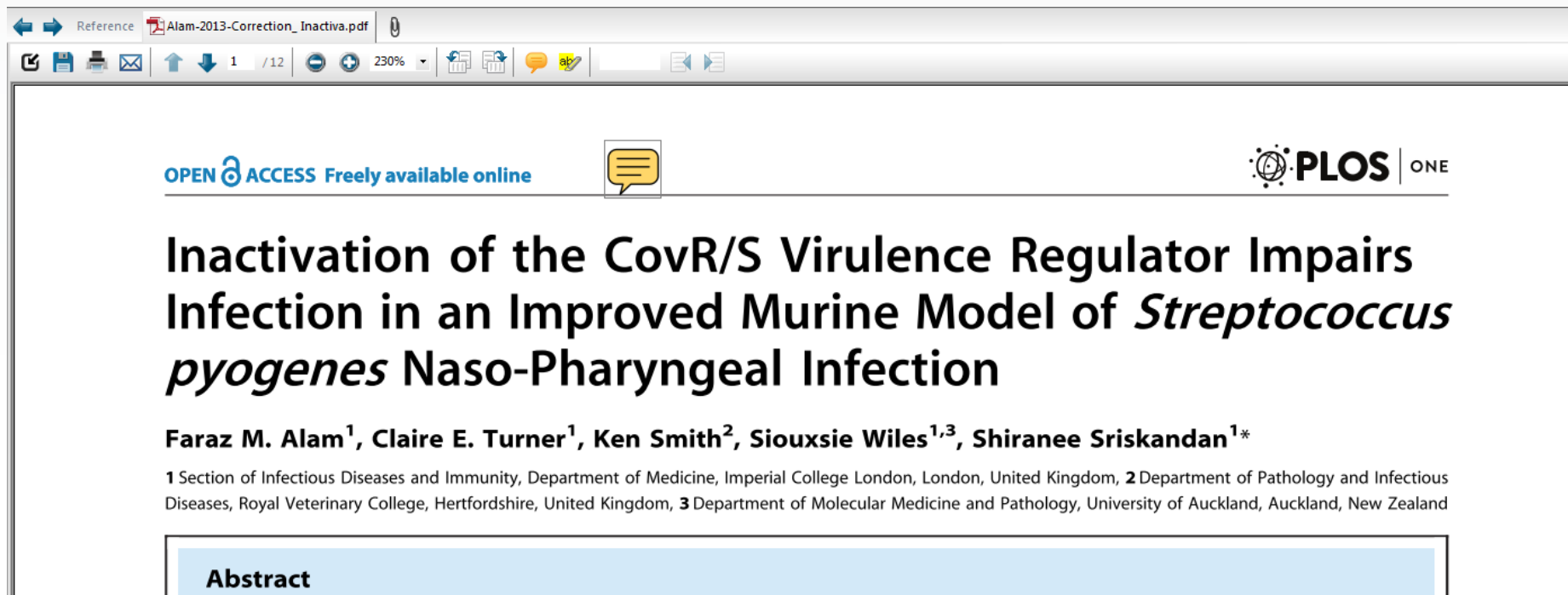
3. EndNote – Full text organization

- Import function for PDF files: EndNote automatically extracts the metadata (requires DOI number)
- Well suited for importing a large amount of PDF files



3. EndNote – Full text organization

- PDF files can be linked to references
- PDF viewer inside EndNote with comment function and highlighting



Reference Alam-2013-Correction_Inactiva.pdf

OPEN ACCESS Freely available online

PLOS ONE

Inactivation of the CovR/S Virulence Regulator Impairs Infection in an Improved Murine Model of *Streptococcus pyogenes* Naso-Pharyngeal Infection

Faraz M. Alam¹, Claire E. Turner¹, Ken Smith², Siouxsie Wiles^{1,3}, Shiranee Sriskandan^{1*}

1 Section of Infectious Diseases and Immunity, Department of Medicine, Imperial College London, London, United Kingdom, **2** Department of Pathology and Infectious Diseases, Royal Veterinary College, Hertfordshire, United Kingdom, **3** Department of Molecular Medicine and Pathology, University of Auckland, Auckland, New Zealand

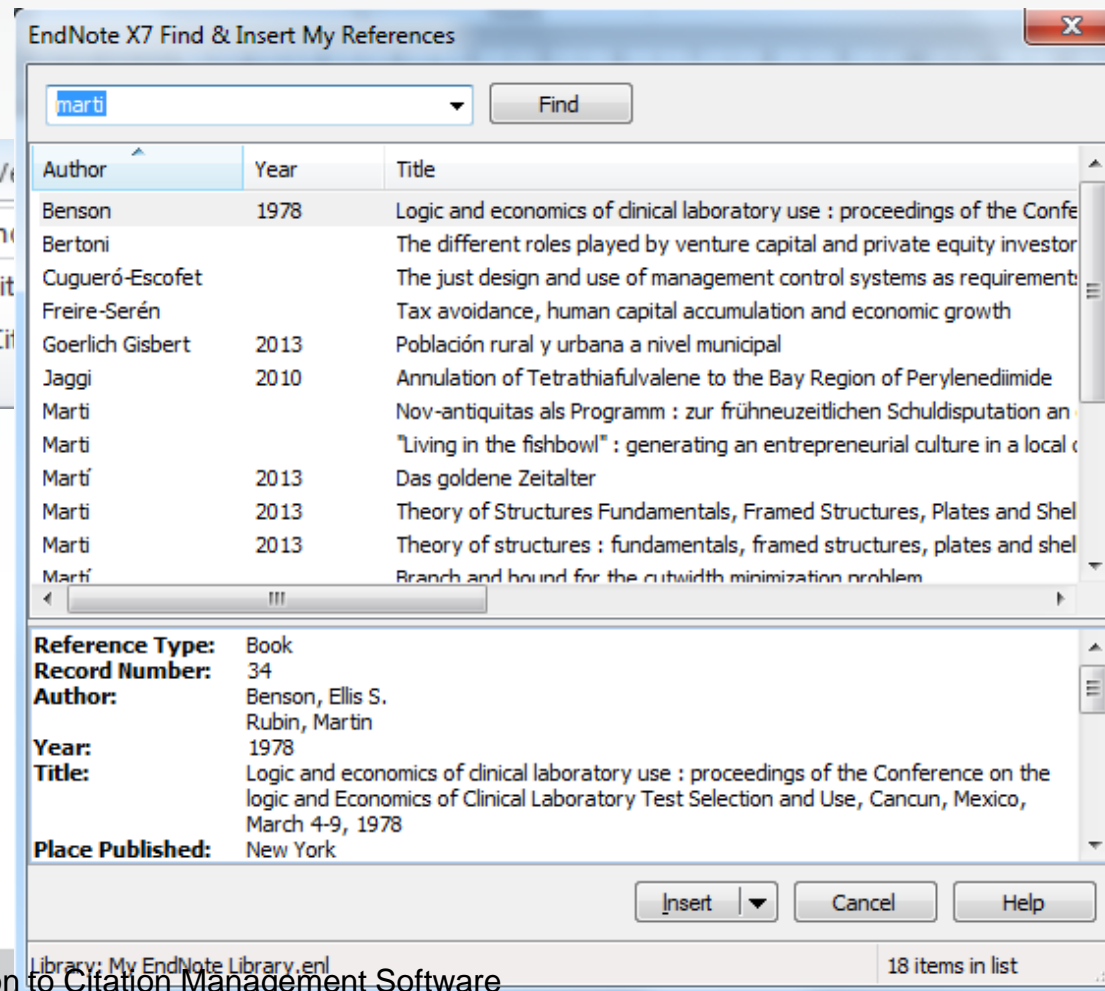
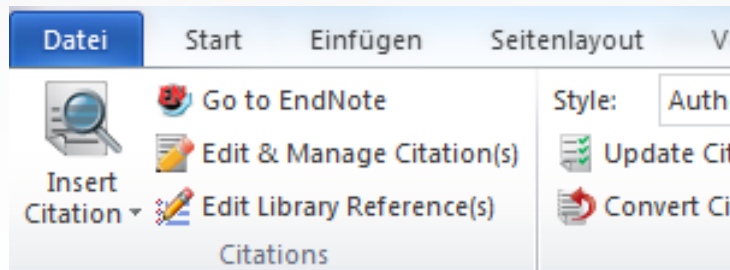
Abstract

3. EndNote – Word processors

- Windows
 - Microsoft Word 2007, 2010, 2013
 - Microsoft Power Point 2013
 - Open Office 3.X
 - RTF files
- Mac
 - Microsoft Word 2008, 2011
 - Apple Pages 09

3. EndNote – Word processors

Cite while you write: Select an EndNote reference inside Word



3. EndNote – Word processors

Citation and bibliography entry are created automatically

Für einen Überblick über dieses Thema siehe [Liston and Koehler \(1996\)](#) und [Martineau, Lemberger et al. \(2002\)](#).

Literaturverzeichnis

Liston, T. E. and J. E. Koehler (1996). "Granulomatous hepatitis and necrotizing splenitis due to *Bartonella henselae* in a patient with cancer: case report and review of hepatosplenic manifestations of bartonella infection." [Clin Infect Dis](#) **22**(6): 951-957.

Martineau, D., K. Lemberger, A. Dallaire, P. Labelle, T. P. Lipscomb, P. Michel and I. Mikaelian (2002). "Cancer in wildlife, a case study: Beluga from the St. Lawrence estuary, Quebec, Canada." [Environmental Health Perspectives](#) **110**(3): 285-292.

3. EndNote – Word processors

Citation and bibliographies are dynamic

Für einen Überblick über dieses Thema siehe [Liston and Koehler \(1996\)](#) und [Martineau, Lemberger et al. \(2002\)](#).

Literaturverzeichnis

Liston, T. E. and J. E. Koehler (1996). "Granulomatous hepatitis and necrotizing splenitis due to Bartonella henselae in a patient with cancer: case report and review of hepatosplenic manifestations of bartonella infection." *Clin Infect Dis* **22**(6): 951-957.

Martineau, D., K. Lemberger, A. Dallaire, P. Labelle, T. P. Lipscomb, P. Michel and I. Mikaelian (2002). "Cancer in wildlife, a case study: Beluga from the St. Lawrence estuary, Quebec, Canada." *Environmental Health Perspectives* **110**(3): 285-292.

Für einen Überblick über dieses Thema siehe [Liston and Koehler \(1\)](#) und [Martineau et al. \(2\)](#).

Literaturverzeichnis

1. Liston, T.E. and Koehler, J.E. (1996) Granulomatous hepatitis and necrotizing splenitis due to Bartonella henselae in a patient with cancer: case report and review of hepatosplenic manifestations of bartonella infection. *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*, **22**, 951-957.
2. Martineau, D., Lemberger, K., Dallaire, A., Labelle, P., Lipscomb, T.P., Michel, P. and Mikaelian, I. (2002) Cancer in wildlife, a case study: Beluga from the St. Lawrence estuary, Quebec, Canada.

3. EndNote – Word processors

Large amount of citation styles (more than 5000 styles)

ENDNOTE OUTPUT STYLES

ENDNOTE OFFERS MORE THAN 5,000 BIBLIOGRAPHIC STYLES

 [Download an archive of all available styles.](#)

[SUBMIT A REQUEST FOR THE CREATION OF A NEW OUTPUT STYLE](#) ➔

Click the column heads in the table below to sort all styles by style name, citation style, discipline, or date.

USE THE STYLE FINDER BELOW TO SEARCH FOR A STYLE NAME AND/OR CITATION STYLE AND/OR PUBLISHER.

Style or Journal Name

Contains

Citation Style

Is one of

- Any -

Publisher

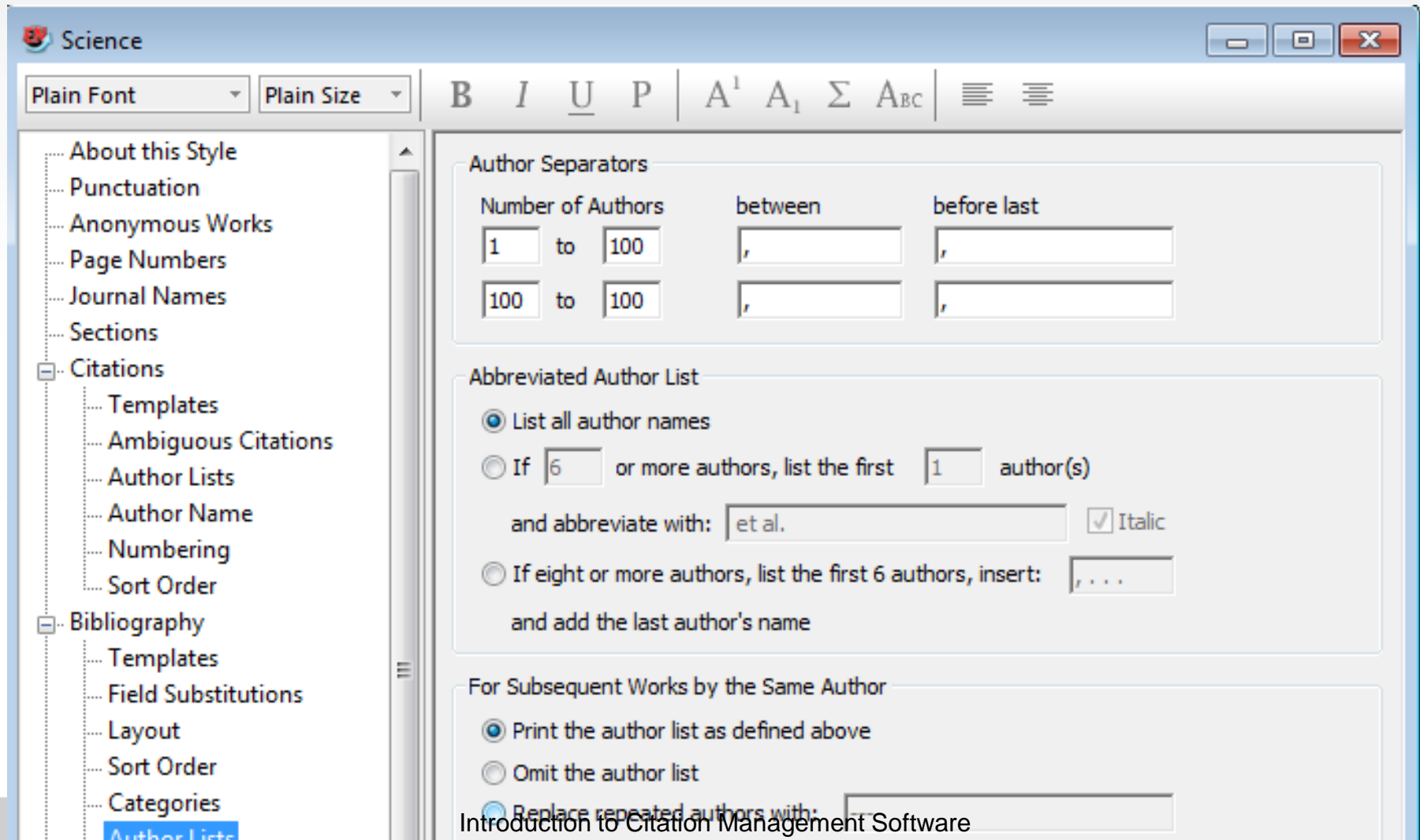
Contains

APPLY **RESET**

Style or Journal Name	Citation Style	Discipline	Date ▾	
International Journal of Food Science and Technology	Author-Year	Nutrition	2013-10-28	DOWNLOAD
Journal of Tropical Medicine	Introduction to Citation Management Software	Food Safety	2013-10-28	DOWNLOAD

3. EndNote – Word processors

Styles can be manually customized



The screenshot shows the 'Science' style editor window. The left sidebar contains a tree view with categories like 'About this Style', 'Punctuation', 'Anonymous Works', 'Page Numbers', 'Journal Names', 'Sections', 'Citations', and 'Bibliography'. Under 'Citations', 'Author Lists' is selected. The main area shows the 'Author Lists' settings for 'Author Separators' and 'Abbreviated Author List'.

Author Separators

Number of Authors	between	before last
1 to 100	,	,
100 to 100	,	,

Abbreviated Author List

- List all author names
- If 6 or more authors, list the first 1 author(s) and abbreviate with: et al. Italic
- If eight or more authors, list the first 6 authors, insert: , ... and add the last author's name

For Subsequent Works by the Same Author

- Print the author list as defined above
- Omit the author list
- Replace repeated authors with: []

3. EndNote Web

- <https://www.myendnoteweb.com>
- Online version of EndNote
- Limited functionality compared to the desktop version
- Access with browser: independent of location/computer

3. EndNote Web

- Synchronization with EndNote Desktop
- References and attachments are synchronized automatically

Synchronize your data with your EndNote Web account. [Learn more](#)

Upgrade or create your two-year EndNote Web account to get the latest features and enable Sync.

Enable Sync

EndNote Web Account Credentials

E-mail Address:

Password:

Sync this EndNote Library

Sync Automatically



Sync with EndNote Web

Synchronize your desktop and EndNote Web libraries.

3. EndNote Web

Collaborative work: Groups can be shared with other people (only references are shared, no full texts)

Von anderen Benutzern freigegebene Gruppen

Geology (14) 

Freigabe für 'Fremde Gruppe' verwalten

1 E-Mail-Adresse

E-Mail-Adresse ↑	Lesezugriff	Lese- und Schreibzugriff		
bsmarti@bluewin.ch	<input type="radio"/>	<input checked="" type="radio"/>	Bearbeiten	Löschen
Weitere				

Alle löschen

3. Market overview - Citavi



- <http://www.citavi.com/>
- Only for Windows (Vista, 7, 8)
- Campus license for FSU students and employees
- Multi-lingual user interface
- Integration with Word, OpenOffice, LaTeX

- Three variants
- Citavi Free (gratis), up to 100 references per project
- Citavi Pro (€119, campus license), unlimited number of references
- Citavi Team, collaborative projects (on the local network)

3. Market overview - Citavi

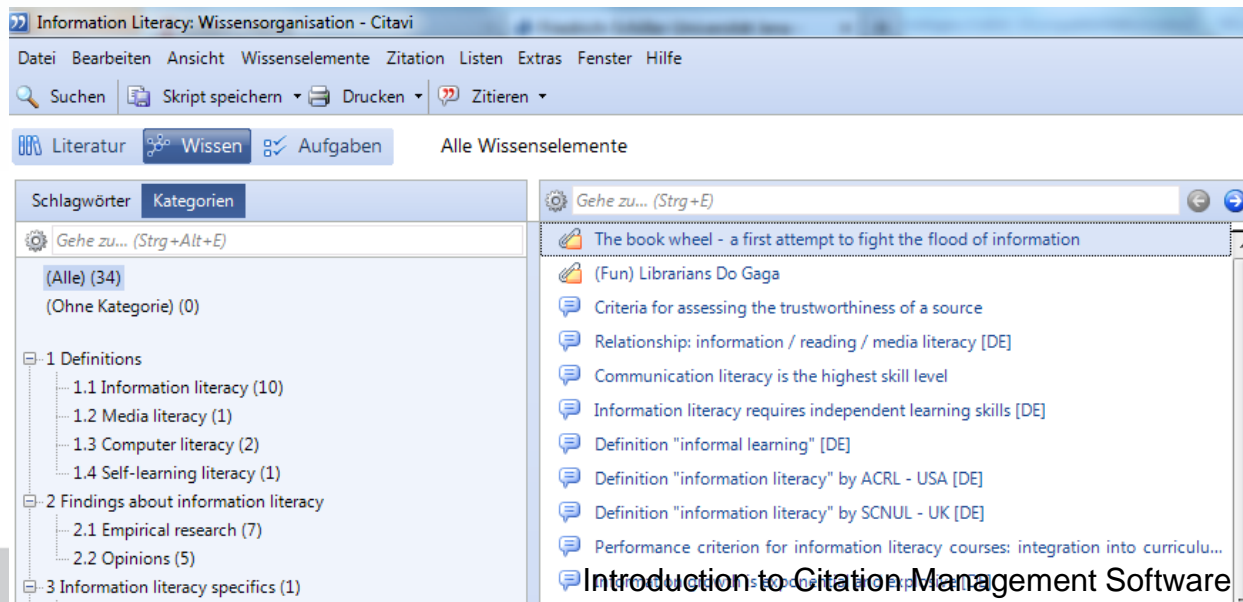


- Citavi License of the FSU
- Procedure:
 - Download and install Citavi Free
 - License key request (with FSU mail address):
<http://www.citavi.com/uni-jena>
 - License key can be used to upgrade the free Citavi variant
 - Key is valid for two computers (installation on a USB stick is also possible)

3. Market overview - Citavi



- Special features:
 - Intuitive user interface, good help functions
 - Knowledge management functions: Create and organize citations, thoughts; work scheduling
 - Collaborative work using the team variant



The screenshot displays the Citavi application window titled "Information Literacy: Wissensorganisation - Citavi". The menu bar includes "Datei", "Bearbeiten", "Ansicht", "Wissenselemente", "Zitation", "Listen", "Extras", "Fenster", and "Hilfe". The toolbar contains icons for "Suchen", "Skript speichern", "Drucken", and "Zitieren". Below the toolbar are tabs for "Literatur", "Wissen", and "Aufgaben", with "Wissen" currently selected. The main area shows "Alle Wissenselemente" with a search bar "Gehe zu... (Strg+E)".

On the left, a tree view shows a hierarchy of knowledge elements:

- (Alle) (34)
- (Ohne Kategorie) (0)
- 1 Definitions (10)
 - 1.1 Information literacy (10)
 - 1.2 Media literacy (1)
 - 1.3 Computer literacy (2)
 - 1.4 Self-learning literacy (1)
- 2 Findings about information literacy (7)
 - 2.1 Empirical research (7)
 - 2.2 Opinions (5)
- 3 Information literacy specifics (1)

On the right, a list of search results is displayed:

- The book wheel - a first attempt to fight the flood of information
- (Fun) Librarians Do Gaga
- Criteria for assessing the trustworthiness of a source
- Relationship: information / reading / media literacy [DE]
- Communication literacy is the highest skill level
- Information literacy requires independent learning skills [DE]
- Definition "informal learning" [DE]
- Definition "information literacy" by ACRL - USA [DE]
- Definition "information literacy" by SCNUL - UK [DE]
- Performance criterion for information literacy courses: integration into curriculu...


3. Market overview: Zotero & Mendeley

- Zotero: <http://www.zotero.org/>
- Mendeley: <http://www.mendeley.com/>
- Web-based citation management programs
 - Bibliographic data and full texts are stored in the web: access from everywhere
 - Additional local installed version (with automatic synchronization): Mendeley Desktop, Zotero Standalone.
 - For Windows, Mac and Linux
- Usage is free (premium accounts offer more storage space and bigger groups for a fee)

The Zotero logo is displayed on a grey rectangular background. The word 'zotero' is written in a lowercase, sans-serif font. The letter 'z' is red, while the remaining letters 'otero' are black.

3. Zotero & Mendeley - Profile

[Edit Profile](#) [View Profile](#) [Updates](#)



Basil Marti

Subject Librarian, Thüringer Universitäts- und Landesbibliothek
Jena, Germany

Research field: **Social Sciences** - Library and Information Science
Library Science
Knowledge Organisation Systems
History and Philosophy of Science

Publications

▼ **Journal Article (1)**

Michael Jaggi, Carmen Blum, Basil S Marti et al. (2010) Annulation of tetrathiafulvalen of perylenediimide., 1344-7. In *Organic letters* 12 (6).
<http://dx.doi.org/10.1021/ol1002708>

Biographical Information

No biographical information added yet.

zotero

[Home](#) [My Library](#) [Groups](#) [People](#) [Documentation](#)

[Home](#) > [People](#) > Basil Marti

Basil Marti

[Library](#) · [Edit Profile](#)

Location

Jena

Disciplines

- [History of Science and Medicine](#)
- [Library and Museum Studies](#)

Affiliation

Thüringer Universitäts- und Landesbibliothek

3. Zotero & Mendeley - Groups

Dashboard My Library Papers **Groups** People

Groups Search...

Knowledge Organisation Systems (KOS)

In this group: 182 papers · 23 members

Invite people to join Share

Mendeley Computer and Information Science Groups

Overview

Papers

Members

Group activity

Ask a question or comment here

Bhojaraju Gunjal added documents to this group

- A Framework for Building Open Digital Libraries
- A framework fo
- A Framework fi
- A Framework fi
- A framework fo
- And 159 more

Like · Comment ·

About this group

Owned by **Bhojaraju Gunjal**
Ph.D. Student

Social Sciences

Reference Management

Recently Added Items

Title	Added By	Updated On
Citations, Out of the Box : Adapting Zotero for legal and multilingual research	mattistoehr	11.06.2013 16:34:55
Online Knowledge Center Tools for Metadata Management	mattistoehr	11.06.2013 15:55:29
Bibliothekarische Dienstleistungen für Literaturverwaltung : Eine vergleichende Analyse des Angebots wissenschaftlicher Bibliotheken unter besonderer Berücksichtigung der Nutzerperspektive	mattistoehr	07.06.2013 06:05:34
Social software and Web 2.0 technology trends	mattistoehr	31.05.2013 08:36:46
COMP110 Practical 5 Bibliographies in Microsoft Word	mattistoehr	18.06.2013 18:36:41
Defrosting the Digital Library : Bibliographic Tools for the Next Generation Web	mattistoehr	18.06.2013 18:36:41



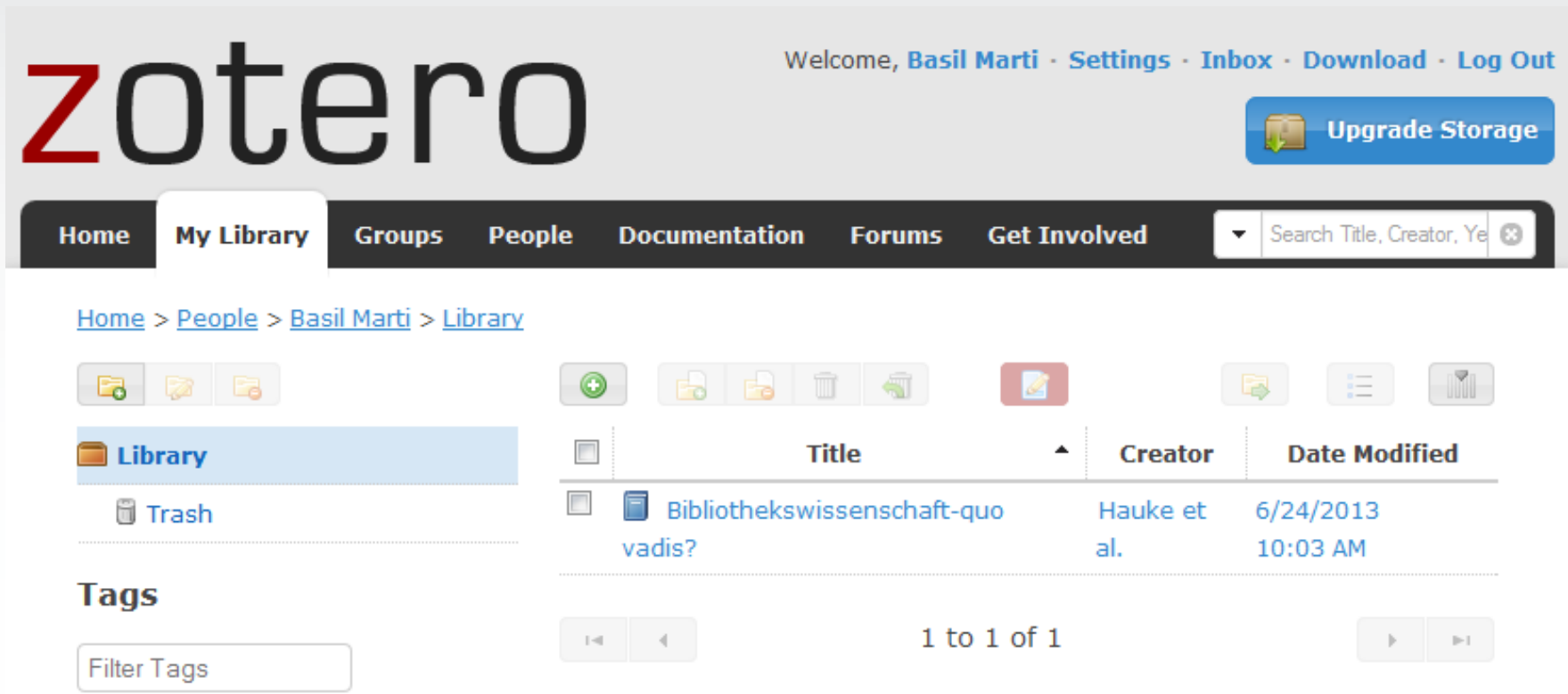
The group and collection for (almost) all publications about Reference Management, mostly in the field of Library and Information Science. Part of the webservice "Literaturverwaltung. Aktuelles – Analysen – Austausch zu Software und Services für die persönliche Literatur- und Wissensorganisation".

<http://literaturverwaltung.wordpress.com>

- Owner: [Matti Stöhr](#)
- Registered: 2013-04-11
- Type: Public
- Membership: Open

[Leave Group](#)

3. Zotero & Mendeley: References



The screenshot shows the Zotero web interface. At the top left is the 'zotero' logo. To the right, there is a navigation bar with links: 'Welcome, Basil Marti', 'Settings', 'Inbox', 'Download', and 'Log Out'. A blue 'Upgrade Storage' button is also present. Below this is a dark navigation menu with tabs: 'Home', 'My Library' (selected), 'Groups', 'People', 'Documentation', 'Forums', and 'Get Involved'. A search bar on the right contains the text 'Search Title, Creator, Year'. The main content area shows a breadcrumb trail: 'Home > People > Basil Marti > Library'. On the left, there are icons for 'Library' and 'Trash'. Below that is a 'Tags' section with a 'Filter Tags' input field. The central part of the screen displays a table of library items. The table has columns for 'Title', 'Creator', and 'Date Modified'. One item is listed: 'Bibliothekswissenschaft-quo vadis?' by 'Hauke et al.', dated '6/24/2013 10:03 AM'. At the bottom of the table, there are navigation arrows and the text '1 to 1 of 1'.

zotero

Welcome, [Basil Marti](#) · [Settings](#) · [Inbox](#) · [Download](#) · [Log Out](#)

[Upgrade Storage](#)

[Home](#) [My Library](#) [Groups](#) [People](#) [Documentation](#) [Forums](#) [Get Involved](#) Search Title, Creator, Year

[Home](#) > [People](#) > [Basil Marti](#) > [Library](#)

Library

Trash

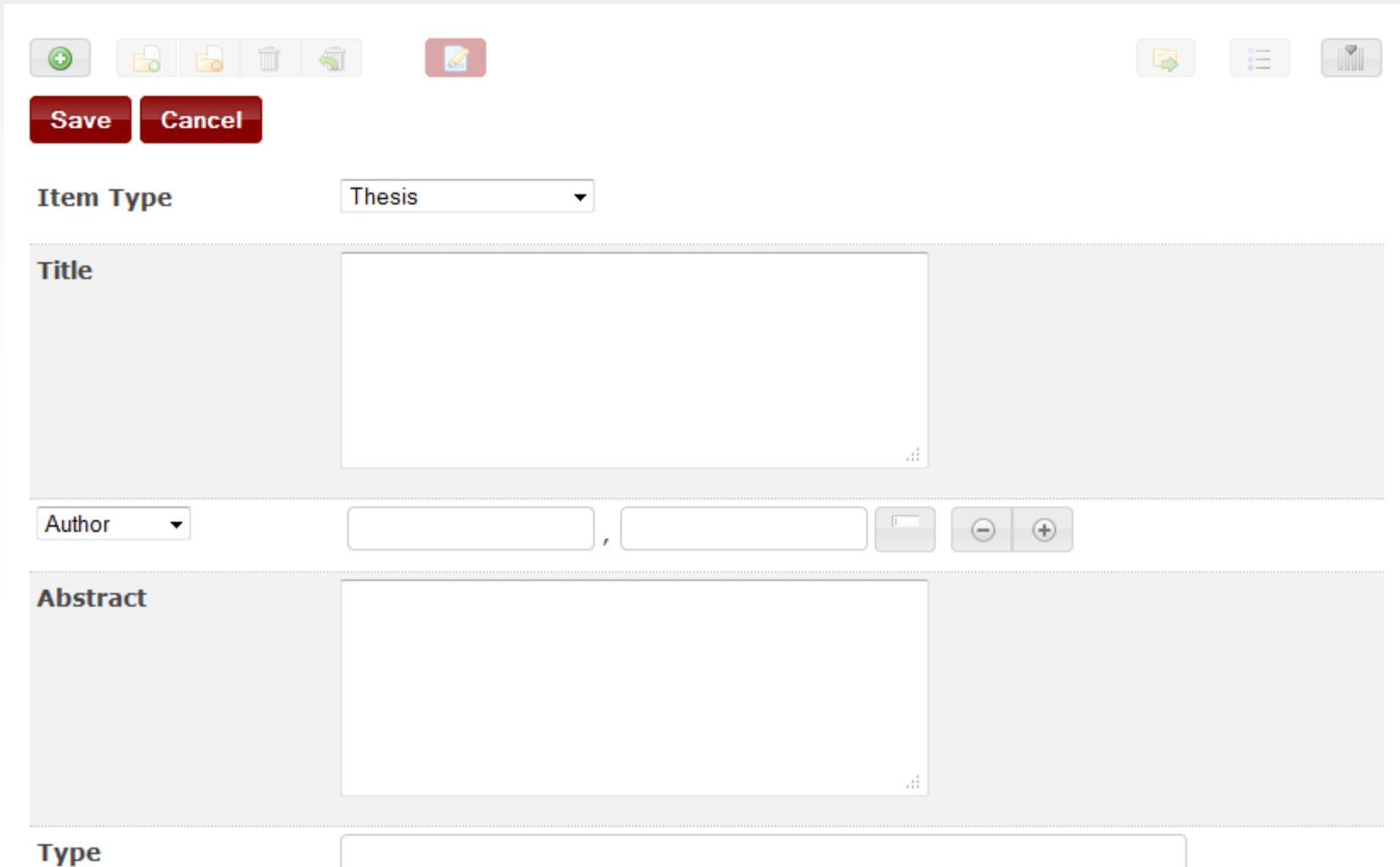
Tags

Filter Tags

	Title	Creator	Date Modified
	Bibliothekswissenschaft-quo vadis?	Hauke et al.	6/24/2013 10:03 AM

1 to 1 of 1

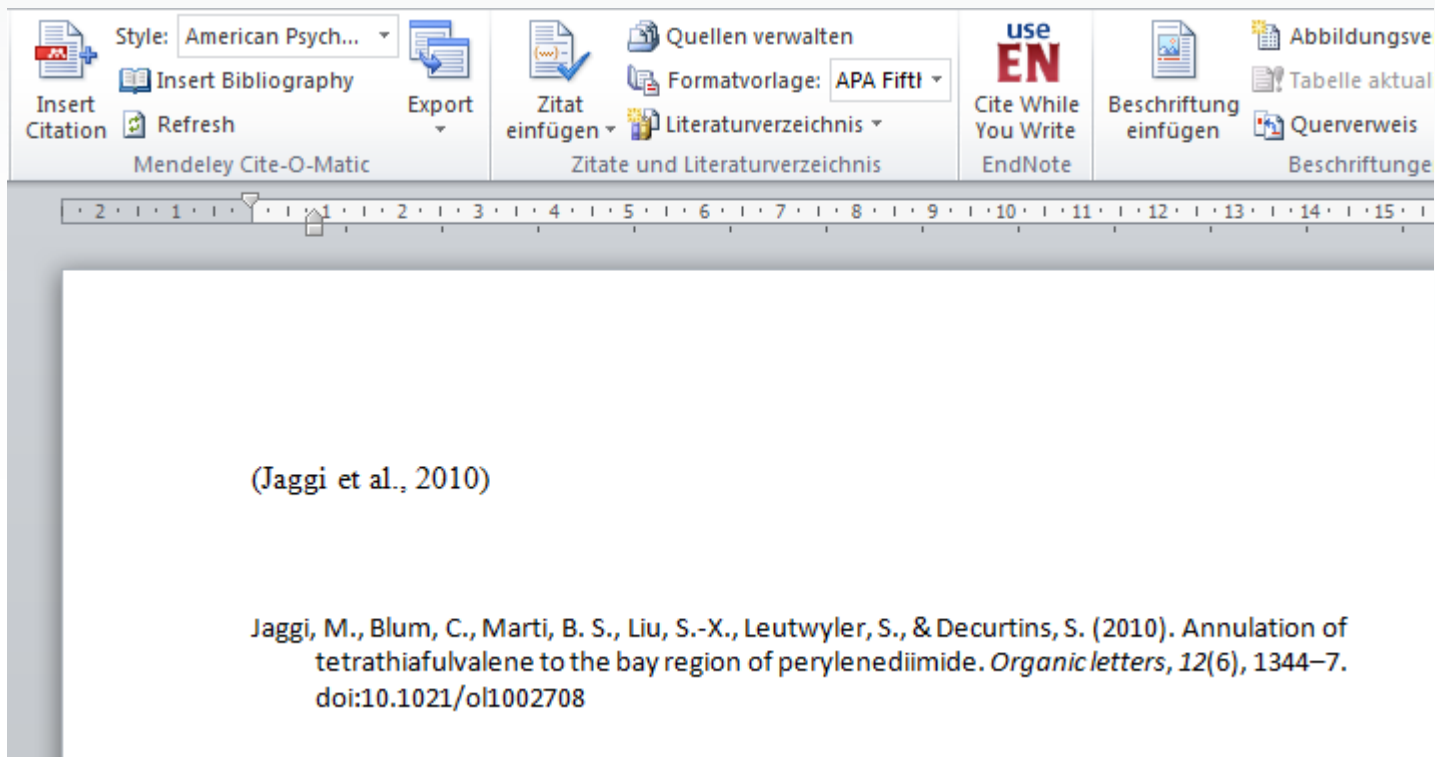
3. Zotero & Mendeley: Data entry



The screenshot shows a data entry form for a citation management software. At the top, there is a toolbar with icons for adding, deleting, and saving items. Below the toolbar are two red buttons labeled "Save" and "Cancel". The form is divided into sections: "Item Type" with a dropdown menu set to "Thesis"; "Title" with a large text input field; "Author" with a dropdown menu set to "Author", two text input fields, and a list management icon; "Abstract" with a large text input field; and "Type" with a text input field.

3. Zotero & Mendeley: Word processor

- Mendeley und Zotero offer integration with
 - Word / Open Office / BibTeX



3. Zotero & Mendeley: Differences

- License: Mendeley is closed-source, bought by Elsevier last year. Citavi is open-source (-> can be modified with add-ons)
- Additional functions of Mendeley:
- Knowledge base of journal articles:

Annulation of tetrathiafulvalene to the bay region of perylenediimide.
by Michael Jaggi, Carmen Blum, Basil S Marti, Shi-Xia Liu, Samuel Leutwyler, Silvio Decurtins
Chemistry > Miscellaneous Papers

View in Mendeley Desktop | Share

Overview

Organic Letters (2010)
Volume: 12, Issue: 6, Pages: 1344-1347
PubMed: 20170192
Available from www.ncbi.nlm.nih.gov

Find this paper at:

- ThULB
- openurl.ac.uk
- WorldCat®
- Google Scholar
- Edit library access links

Author-supplied keywords:

- chemical
- computer simulation
- fluorescent dyes
- fluorescent dyes chemical...
- fluorescent dyes chemistry
- heterocyclic compounds
- heterocyclic compounds c...
- imides
- imides chemistry
- models
- molecular structure
- oxidation reduction
- perylene
- perylene analogs & derivat...
- perylene chemistry

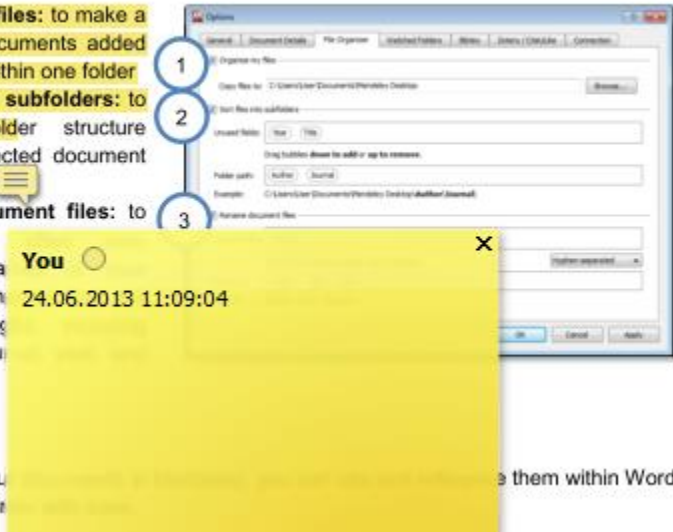
Readership Statistics: 7 Readers on Mendeley

3. Zotero & Mendeley: Differences

- PDF editor with annotations

In the tab, select:

1. **Organize my files:** to make a copy of all documents added to Mendeley within one folder
2. **Sort files into subfolders:** to create a folder structure based on selected document details
3. **Rename document files:** to rename the descriptive name of PDFs to file names more meaningful to the author, journal title

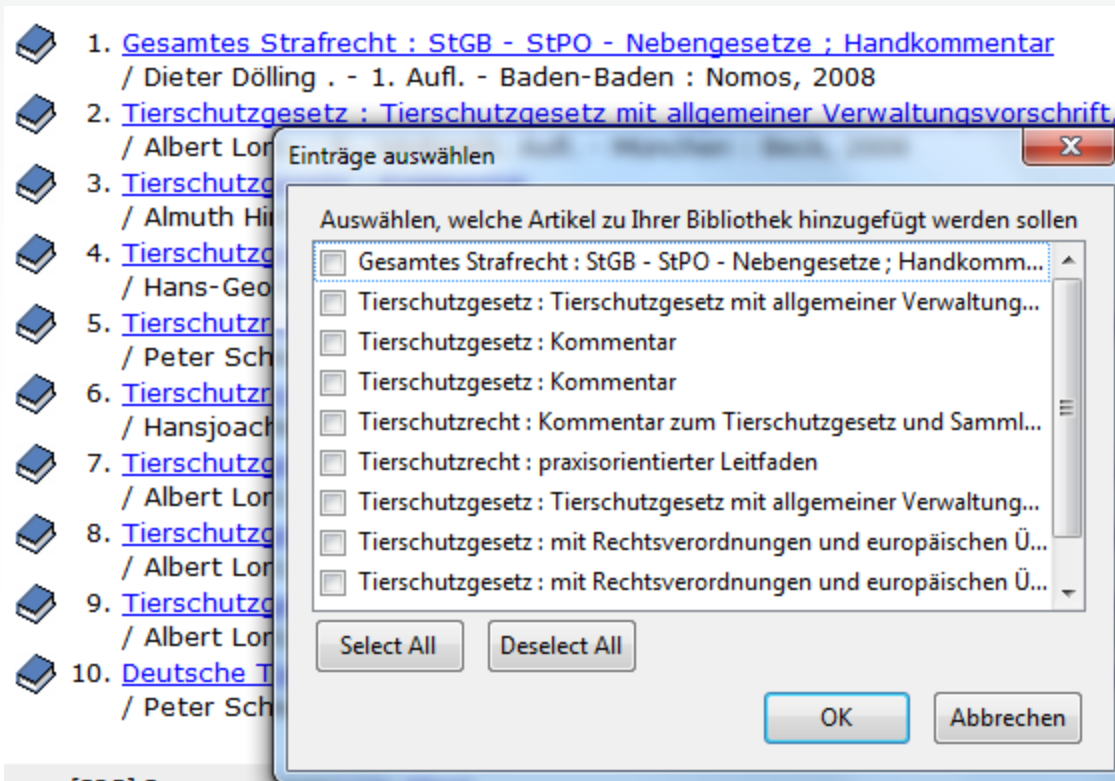


Once you have you... them within Word
and OpenOffice W...

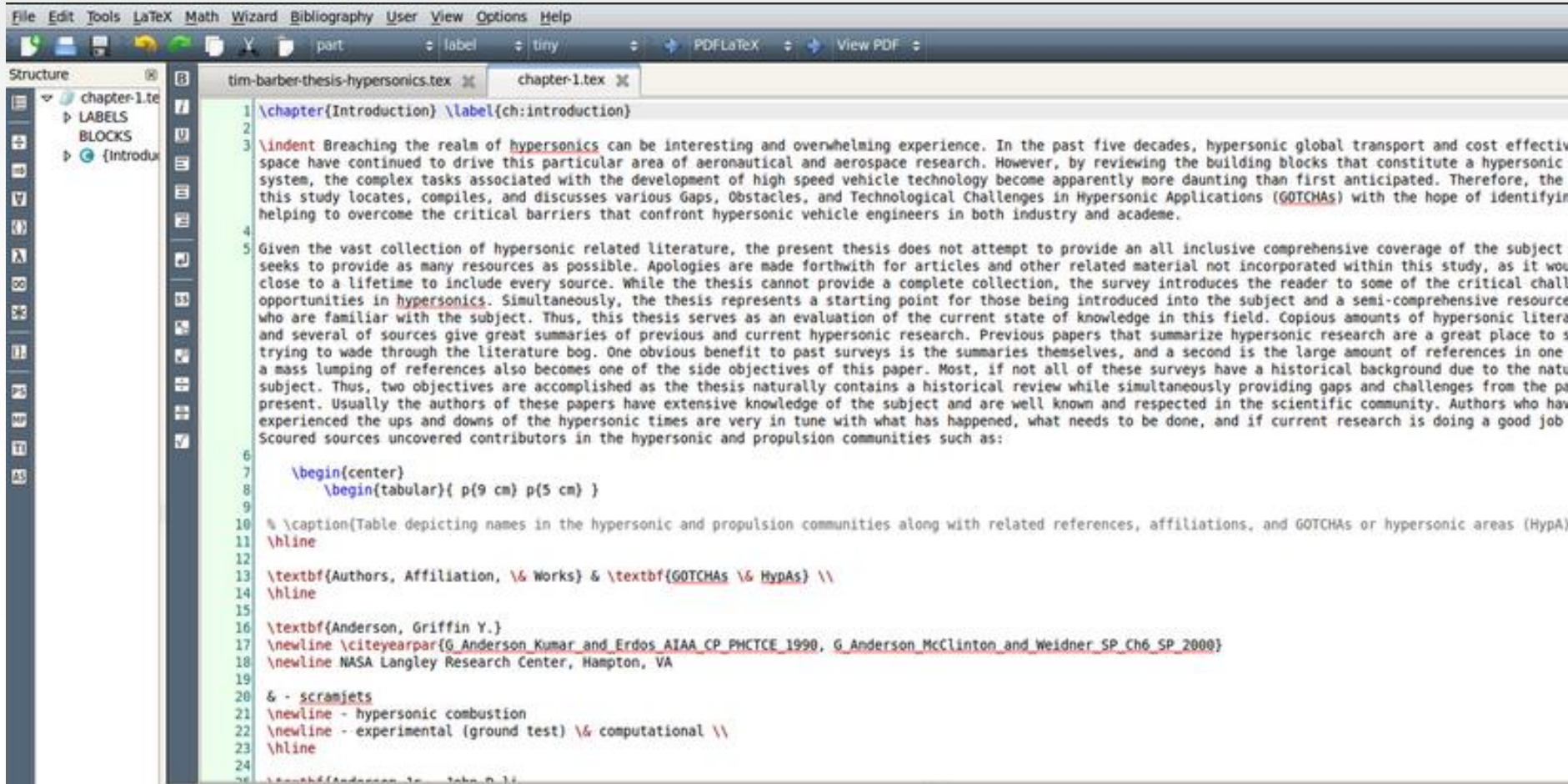
- Mendeley's social functions are more developed, more members

3. Zotero & Mendeley: Differences

- Zotero: Good for importing data from the web browser



3. Market overview: BibTeX



```
1 \chapter{Introduction} \label{ch:introduction}
2
3 \indent Breaching the realm of hypersonics can be interesting and overwhelming experience. In the past five decades, hypersonic global transport and cost effective
space have continued to drive this particular area of aeronautical and aerospace research. However, by reviewing the building blocks that constitute a hypersonic
system, the complex tasks associated with the development of high speed vehicle technology become apparently more daunting than first anticipated. Therefore, the
this study locates, compiles, and discusses various Gaps, Obstacles, and Technological Challenges in Hypersonic Applications (GOTCHAs) with the hope of identifying
helping to overcome the critical barriers that confront hypersonic vehicle engineers in both industry and academe.
4
5 Given the vast collection of hypersonic related literature, the present thesis does not attempt to provide an all inclusive comprehensive coverage of the subject
seeks to provide as many resources as possible. Apologies are made forthwith for articles and other related material not incorporated within this study, as it would
close to a lifetime to include every source. While the thesis cannot provide a complete collection, the survey introduces the reader to some of the critical challenges
opportunities in hypersonics. Simultaneously, the thesis represents a starting point for those being introduced into the subject and a semi-comprehensive resource
who are familiar with the subject. Thus, this thesis serves as an evaluation of the current state of knowledge in this field. Copious amounts of hypersonic literature
and several of sources give great summaries of previous and current hypersonic research. Previous papers that summarize hypersonic research are a great place to start
trying to wade through the literature bog. One obvious benefit to past surveys is the summaries themselves, and a second is the large amount of references in one
a mass lumping of references also becomes one of the side objectives of this paper. Most, if not all of these surveys have a historical background due to the nature of the
subject. Thus, two objectives are accomplished as the thesis naturally contains a historical review while simultaneously providing gaps and challenges from the past to the
present. Usually the authors of these papers have extensive knowledge of the subject and are well known and respected in the scientific community. Authors who have
experienced the ups and downs of the hypersonic times are very in tune with what has happened, what needs to be done, and if current research is doing a good job
Scoured sources uncovered contributors in the hypersonic and propulsion communities such as:
6
7 \begin{center}
8 \begin{tabular}{p(9 cm) p(5 cm) }
9
10 % \caption{Table depicting names in the hypersonic and propulsion communities along with related references, affiliations, and GOTCHAs or hypersonic areas (HypAs)}
11 \hline
12
13 \textbf{Authors, Affiliation, \& Works} & \textbf{GOTCHAs \& HypAs} \\
14 \hline
15
16 \textbf{Anderson, Griffin Y.}
17 \newline \citeyearpar{G Anderson Kumar and Erdos AIAA CP PHCTCE 1990, G Anderson McClinton and Weidner SP Ch6 SP 2000}
18 \newline NASA Langley Research Center, Hampton, VA
19
20 & - scramjets
21 \newline - hypersonic combustion
22 \newline - experimental (ground test) \& computational \\
23 \hline
24
25 \textbf{Anderson, J.} \textbf{Tabo, R. L.}
```

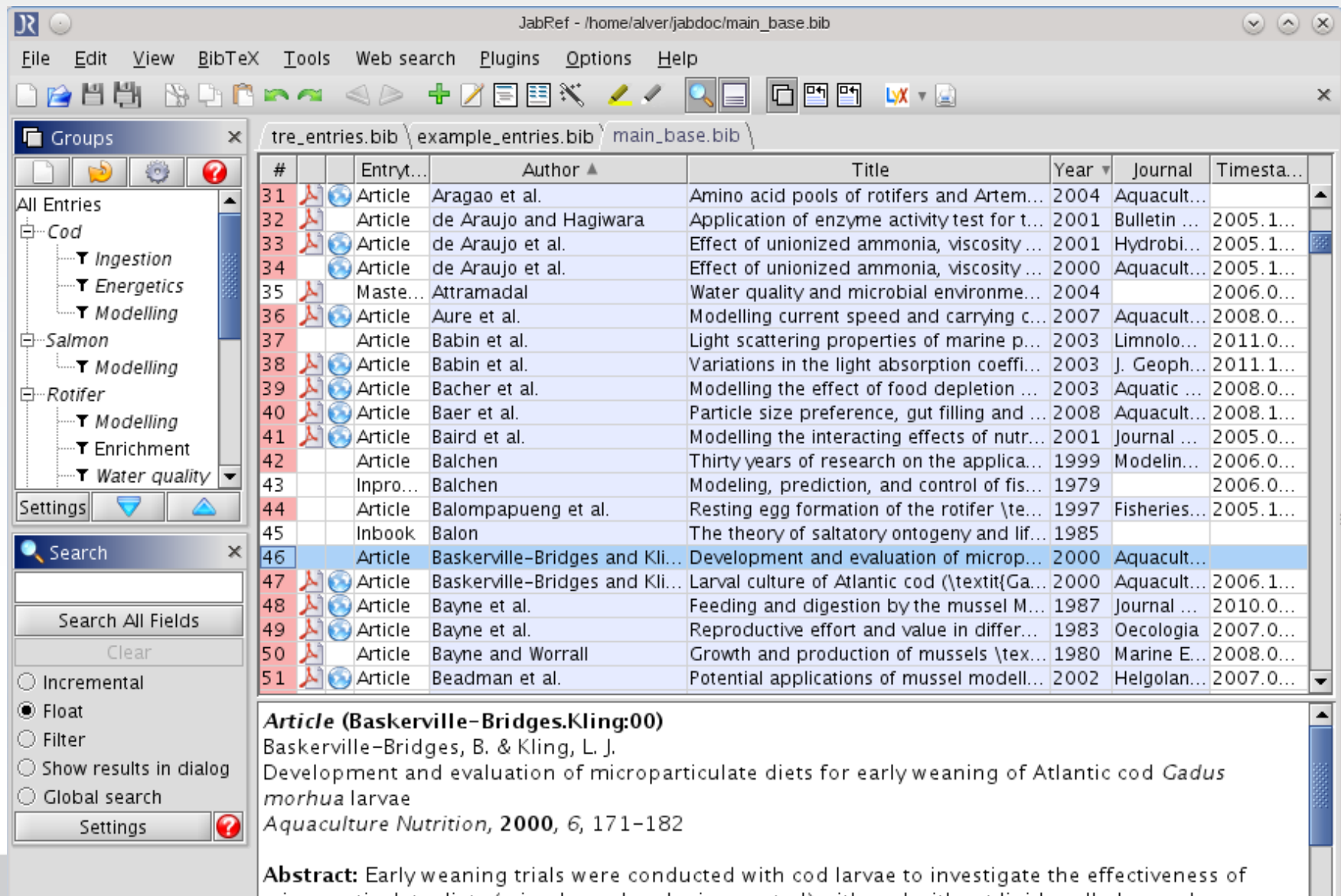
3. Market overview: BibTeX

- Add-on for the LaTeX word processor
- Integral part of the usual LaTeX installations (free, for all operating systems)
- Inserts citations and bibliographies into LaTeX documents
- BibTeX-Database as data source
- BibTeX cannot be used to create and organise references
- How to proceed: Use a citation management program and export the data as a BibTeX database

3. Market overview: BibTeX

- <http://jabref.sourceforge.net/>
- Open source programm, free
- For all operating systems
- Specialized for editing BibTeX databases
- Limited functionality compared to other software

3. Market overview: BibTeX



JabRef - /home/alver/jabdoc/main_base.bib

File Edit View BibTeX Tools Web search Plugins Options Help

Groups: tre_entries.bib example_entries.bib main_base.bib

#	Entry...	Author	Title	Year	Journal	Timesta...
31	Article	Aragao et al.	Amino acid pools of rotifers and Artem...	2004	Aquacult...	
32	Article	de Araujo and Hagiwara	Application of enzyme activity test for t...	2001	Bulletin ...	2005.1...
33	Article	de Araujo et al.	Effect of unionized ammonia, viscosity ...	2001	Hydrobi...	2005.1...
34	Article	de Araujo et al.	Effect of unionized ammonia, viscosity ...	2000	Aquacult...	2005.1...
35	Maste...	Attramadal	Water quality and microbial environme...	2004		2006.0...
36	Article	Aure et al.	Modelling current speed and carrying c...	2007	Aquacult...	2008.0...
37	Article	Babin et al.	Light scattering properties of marine p...	2003	Limnolo...	2011.0...
38	Article	Babin et al.	Variations in the light absorption coeffi...	2003	J. Geoph...	2011.1...
39	Article	Bacher et al.	Modelling the effect of food depletion ...	2003	Aquatic ...	2008.0...
40	Article	Baer et al.	Particle size preference, gut filling and ...	2008	Aquacult...	2008.1...
41	Article	Baird et al.	Modelling the interacting effects of nutr...	2001	Journal ...	2005.0...
42	Article	Balchen	Thirty years of research on the applica...	1999	Modelin...	2006.0...
43	Inpro...	Balchen	Modeling, prediction, and control of fis...	1979		2006.0...
44	Article	Balompueng et al.	Resting egg formation of the rotifer \te...	1997	Fisheries...	2005.1...
45	Inbook	Balon	The theory of saltatory ontogeny and lif...	1985		
46	Article	Baskerville-Bridges and Kli...	Development and evaluation of microp...	2000	Aquacult...	
47	Article	Baskerville-Bridges and Kli...	Larval culture of Atlantic cod (\textit{Ga...	2000	Aquacult...	2006.1...
48	Article	Bayne et al.	Feeding and digestion by the mussel M...	1987	Journal ...	2010.0...
49	Article	Bayne et al.	Reproductive effort and value in differ...	1983	Oecologia	2007.0...
50	Article	Bayne and Worrall	Growth and production of mussels \tex...	1980	Marine E...	2008.0...
51	Article	Beadman et al.	Potential applications of mussel modell...	2002	Helgolan...	2007.0...

Article (Baskerville-Bridges.Kling:00)
 Baskerville-Bridges, B. & Kling, L. J.
 Development and evaluation of microparticulate diets for early weaning of Atlantic cod *Gadus morhua* larvae
Aquaculture Nutrition, 2000, 6, 171-182

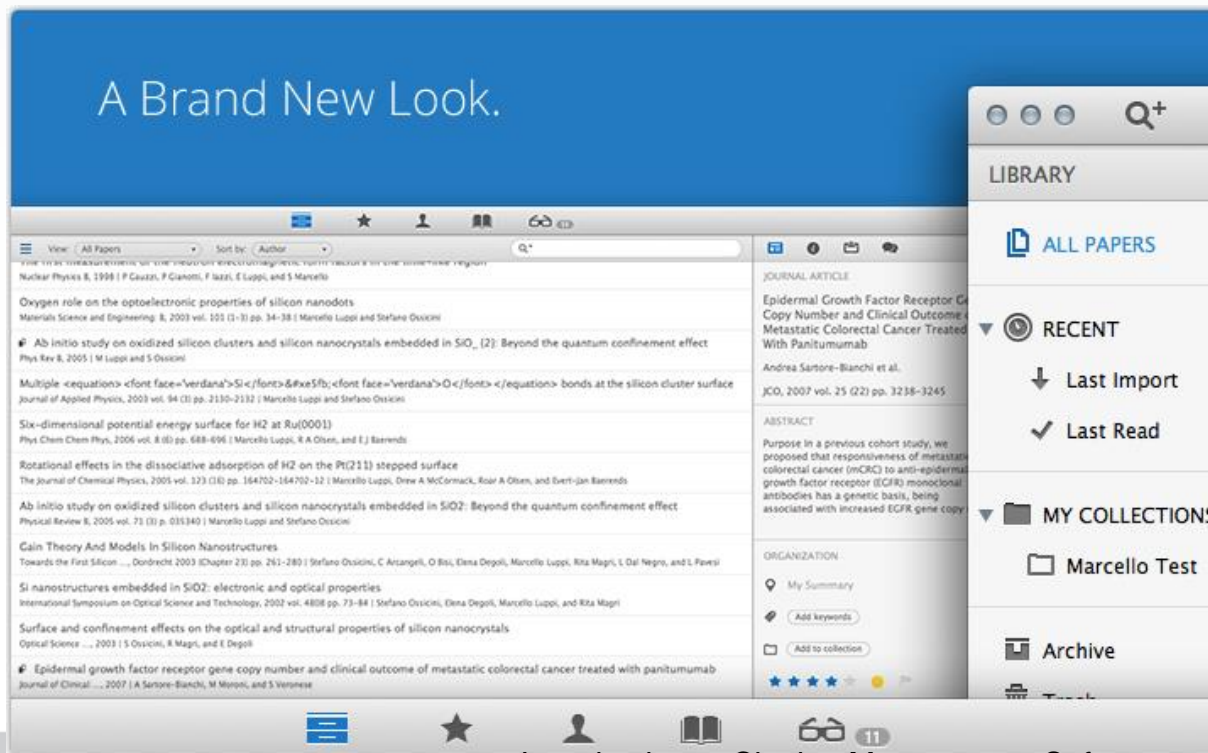
Abstract: Early weaning trials were conducted with cod larvae to investigate the effectiveness of

3. Market overview: Papers

- <http://www.papersapp.com/mac/>
- For Mac (Mac OS X Lion and newer)
- Windows version with limited functionality
- Cost: License € 59 (student version for € 34)
- Englisch user interface

3. Market overview: Papers

- Intuitive user interface
- Well suited to work with PDF files
- For mobile phones and tablets



As soon as possible

1. Select a program
 1. Define criteria
 2. Ask other people which programs they use
 3. Try out different programs
2. Define groups/structure
3. Keep your database up-to-date
4. If possible work together with other people

End

<http://literaturverwaltung.wordpress.com/>

ThULB courses

<http://www.thulb.uni-jena.de/schulungen.html>

Contact:

- Basil Marti, 9-40036, basil.marti@thulb.uni-jena.de