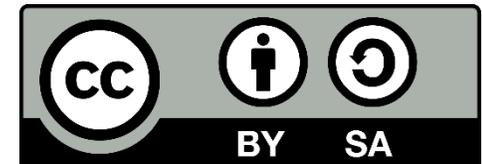


# Werkzeugunterstützung für systematische Literaturrecherche

## Ein JabRef-Tutorium

Oliver Kopp  
JabRef Maintainer



Disclaimer: Die Sichten in diesem Vortrag entsprechen nicht notwendigerweise denen meines Arbeitgebers  
(Universität Stuttgart) und des JabRef-Teams

# Agenda

---

- Geschichte und Überblick zu JabRef
- Import von Einträgen
- Gruppieren von Einträgen
- Import von anderen Formaten
- Export von anderen Formaten
- Qualitätssicherung von Einträgen
- Integration von PDFs wird gezeigt
- Zusammenfassung und Ausblick

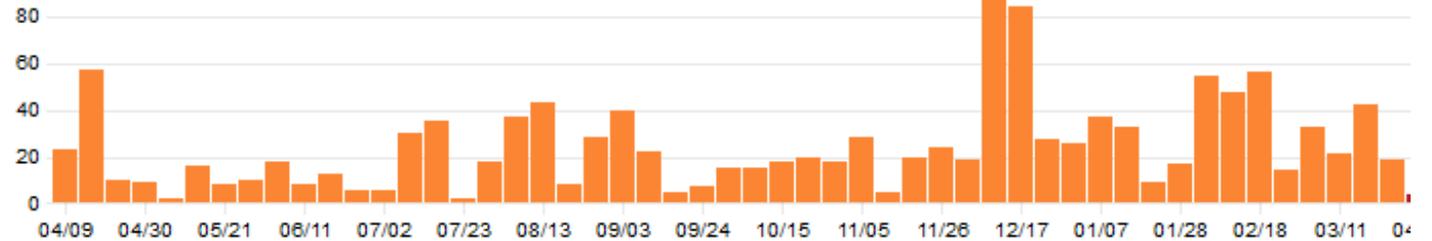
# Geschichte zu JabRef

- Angefangen 2003: Morten Alver und Nizar Batada
- Habe am Projekt 2011 aktiv teilgenommen
- 2014 kamen die “Bamberger” an Bord

- Refactoring
- Git, GitHub, TravisCI

## ■ Stand heute

- 860 GitHub Stars | ~12000 Commits | 36 Releases | 140 Contributors
- 7 Hauptentwickler
- JabRef in der Lehre:
  - JUnit-Tests
  - Software-Projekt für 10 Leute, 450 Stunden/Person



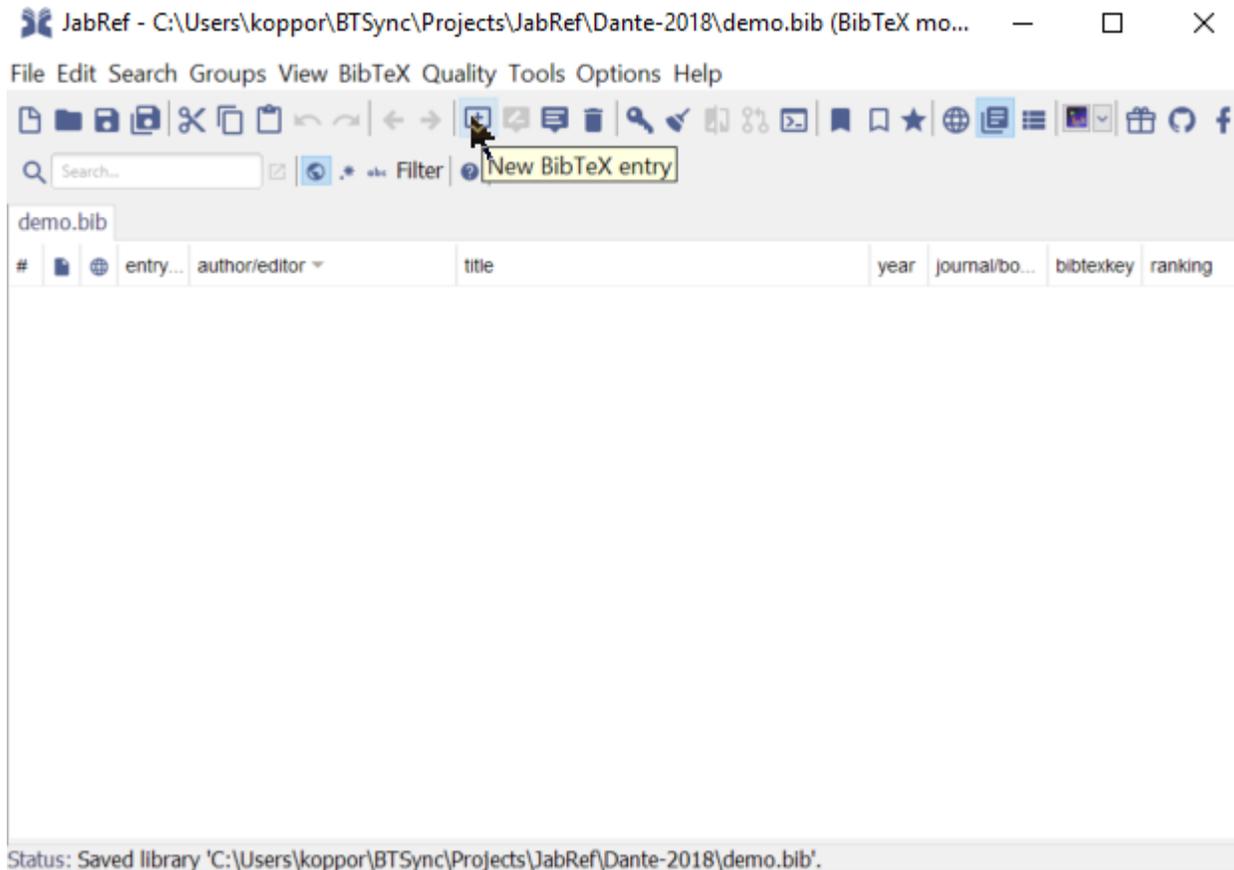
## BibTeX als internes Datenformat

# Start von JabRef

The screenshot shows the JabRef application window. The title bar reads "JabRef - C:\Users\kopper\BTSync\Projects\JabRef\Dante-2018\demo.bib (BibTeX mo...". The menu bar includes "File", "Edit", "Search", "Groups", "View", "BibTeX", "Quality", "Tools", "Options", and "Help". The toolbar contains various icons for file operations, editing, and search. A search bar is located below the toolbar with the text "Search...". Below the search bar, the file name "demo.bib" is displayed. The main area shows a table header with the following columns: "#", "entry...", "author/editor", "title", "year", "journal/bo...", "bibtexkey", and "ranking". The table body is currently empty. At the bottom of the window, a status bar displays the text: "Status: Saved library 'C:\Users\kopper\BTSync\Projects\JabRef\Dante-2018\demo.bib'".

#	entry...	author/editor	title	year	journal/bo...	bibtexkey	ranking
---	----------	---------------	-------	------	---------------	-----------	---------

# Import von Einträgen



JabRef - C:\Users\koppor\BTSync\Projects\JabRef\Dante-2018\demo.bib (BibTeX mo... - □ ×

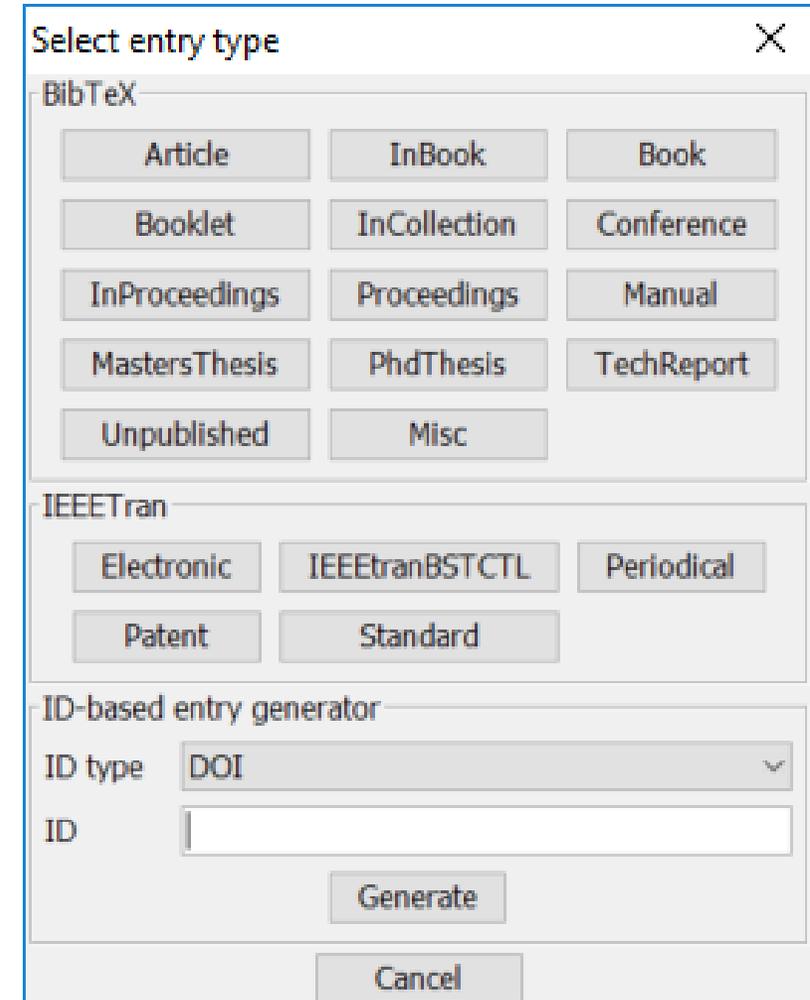
File Edit Search Groups View BibTeX Quality Tools Options Help

Search... Filter **New BibTeX entry**

demo.bib

#	entry...	author/editor	title	year	journal/bo...	bibtexkey	ranking
---	----------	---------------	-------	------	---------------	-----------	---------

Status: Saved library 'C:\Users\koppor\BTSync\Projects\JabRef\Dante-2018\demo.bib'.



Select entry type

BibTeX

- Article
- InBook
- Book
- Booklet
- InCollection
- Conference
- InProceedings
- Proceedings
- Manual
- MastersThesis
- PhdThesis
- TechReport
- Unpublished
- Misc

IEEEtran

- Electronic
- IEEEtranBSTCTL
- Periodical
- Patent
- Standard

ID-based entry generator

ID type: DOI

ID:

Generate

Cancel

# Entryeditor

X

Required fields Optional fields Deprecated fields General BibSonomy Extra Related articles BibTeX source

Article

Author

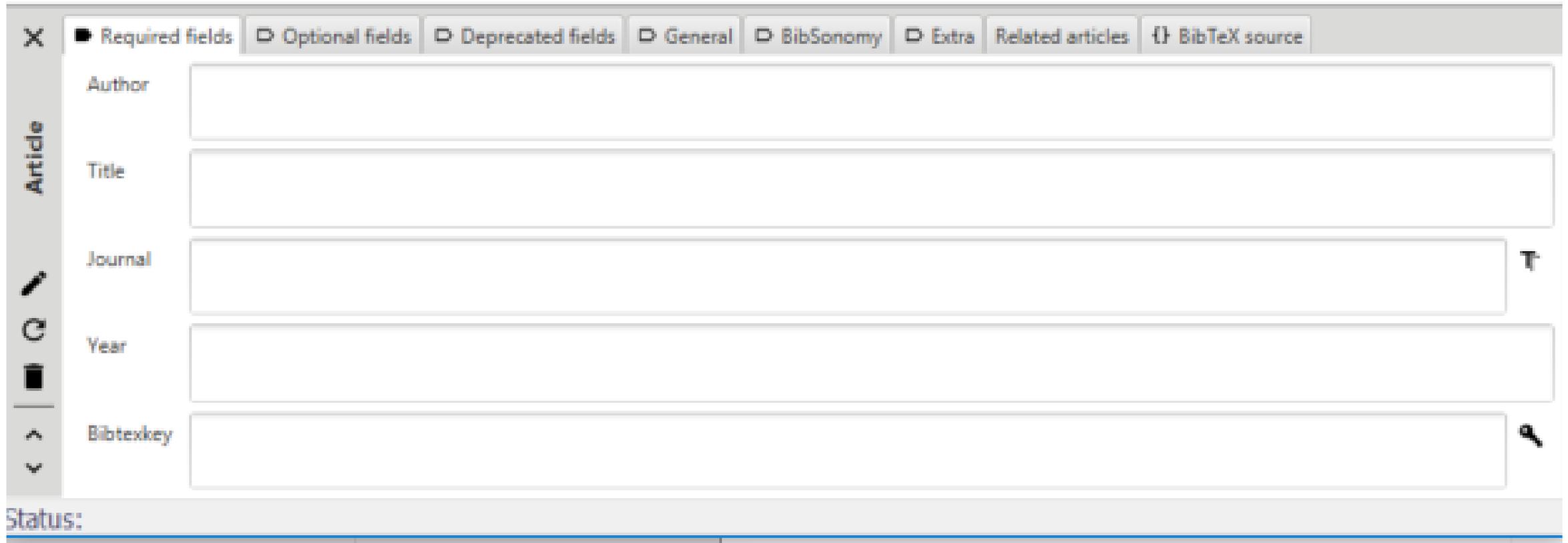
Title

Journal

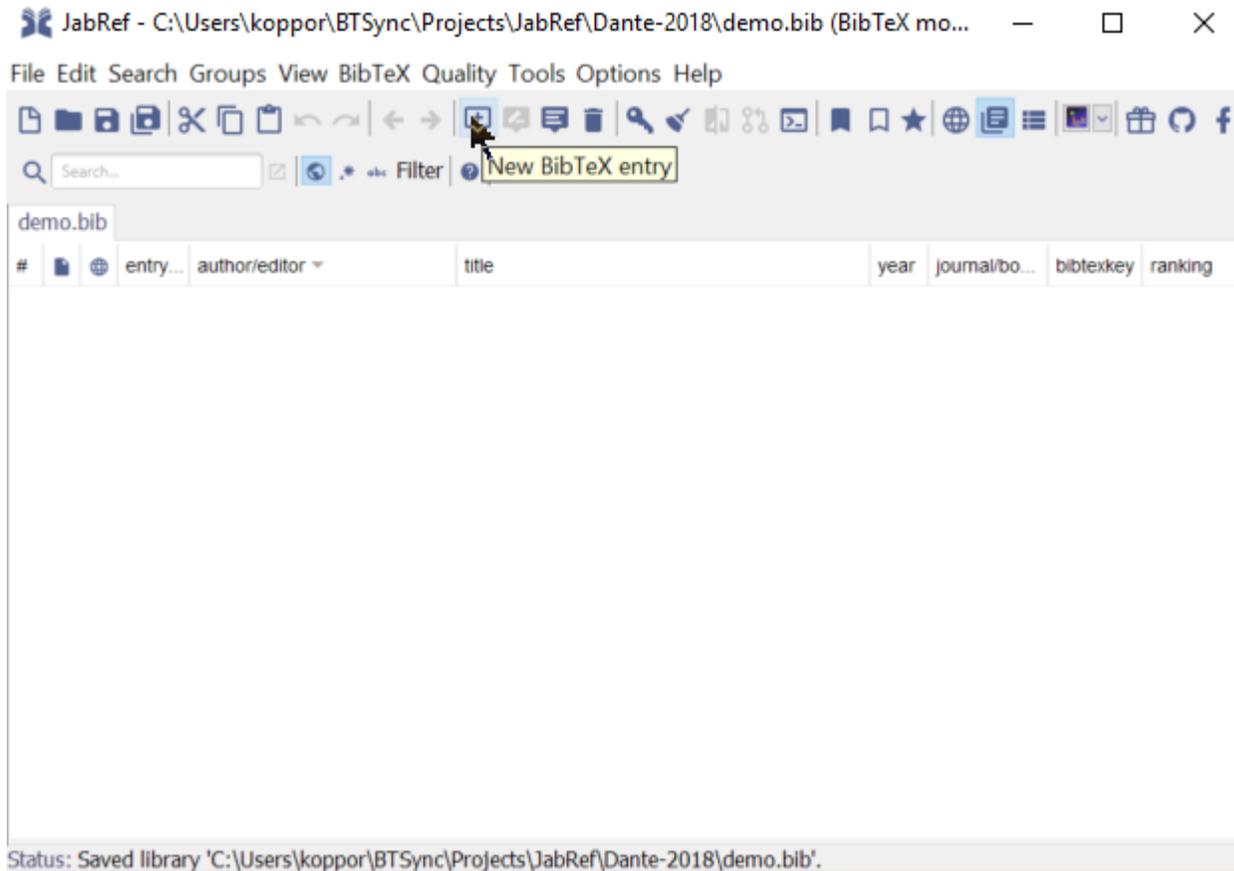
Year

Bibtexkey

Status:



# Import von Einträgen



JabRef - C:\Users\kopper\BTSync\Projects\JabRef\Dante-2018\demo.bib (BibTeX mo... - □ ×

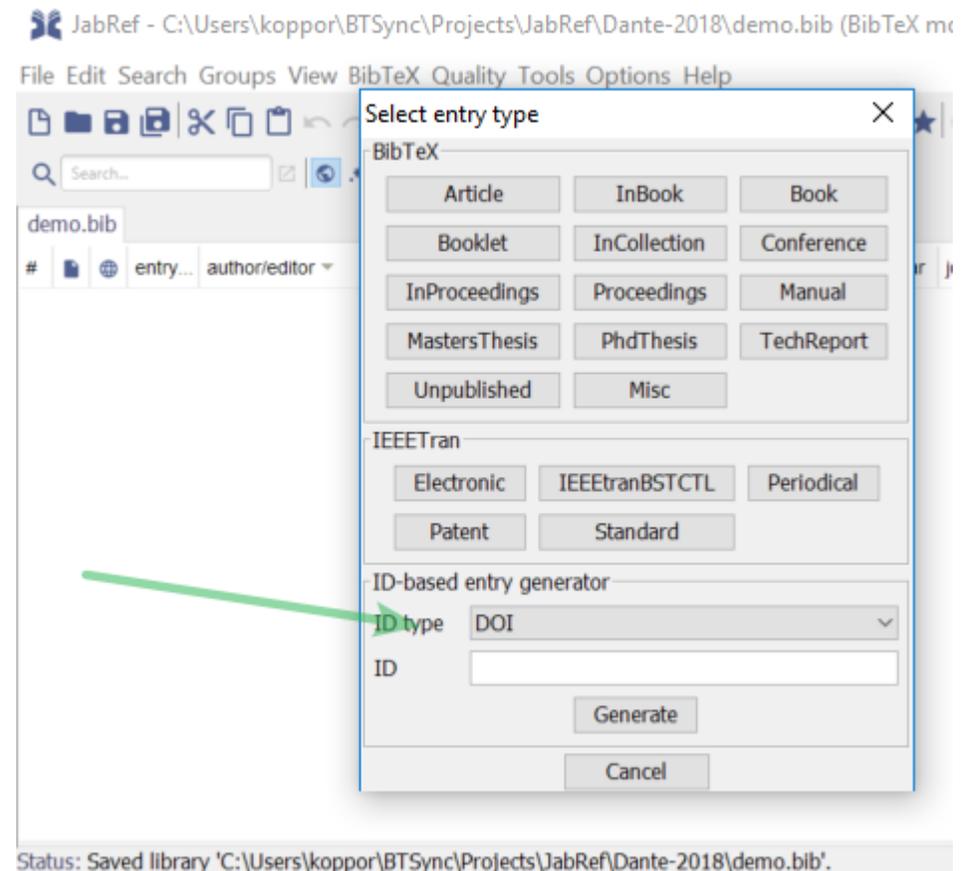
File Edit Search Groups View BibTeX Quality Tools Options Help

Search... Filter **New BibTeX entry**

demo.bib

#	entry...	author/editor ▾	title	year	journal/bo...	bibtexkey	ranking
---	----------	-----------------	-------	------	---------------	-----------	---------

Status: Saved library 'C:\Users\kopper\BTSync\Projects\JabRef\Dante-2018\demo.bib'.



JabRef - C:\Users\kopper\BTSync\Projects\JabRef\Dante-2018\demo.bib (BibTeX mo... - □ ×

File Edit Search Groups View BibTeX Quality Tools Options Help

Search... Filter

demo.bib

#	entry...	author/editor ▾
---	----------	-----------------

Select entry type

BibTeX

Article InBook Book

Booklet InCollection Conference

InProceedings Proceedings Manual

MastersThesis PhdThesis TechReport

Unpublished Misc

IEEETran

Electronic IEEETranBSTCTL Periodical

Patent Standard

ID-based entry generator

ID type DOI ▾

ID

Generate

Cancel

Status: Saved library 'C:\Users\kopper\BTSync\Projects\JabRef\Dante-2018\demo.bib'.

# Suchen von Einträgen

## Außerhalb von JabRef:

- Google Scholar
- The Collection of Computer Science Bibliographies

<https://iinwww.ira.uka.de/bibliography/index.html>

- u.v.m.

### The Collection of Computer Science Bibliographies

[About](#) | [FAQ](#) | [Search](#) | [Browse](#) | [Contribute](#) | [Statistics](#)

Query:

[Lucene syntax](#) (au., ti., yr.) | [Advanced search](#) | [Contribute](#) | [Comments](#)

---

#### About the Collection

This is a collection of bibliographies of scientific literature in computer science from various sources, covering most aspects of computer science. The bibliographies are updated weekly from their original locations such that you'll always find the most recent versions here.

The collection currently contains more than **7 millions** of references (mostly to journal articles, conference papers and technical reports), clustered in about 1500 bibliographies, and consists of more than 2.3 GBytes (530MB gzipped) of [BibTeX](#) entries. More than 600 000 references contain crossreferences to citing or cited publications.

More than 1 million of references contain URLs to an online version of the paper. Abstracts are available for more than 800 000 entries. There are more than 2000 links to other sites carrying bibliographic information.

For more information on the contents of this collection have a look at the [bibliographic statistics](#).

- [Introduction](#)
- [Search the bibliography collection](#)
- [Browse the bibliography collection](#)
- [How to add bibliographies or references to the bibliography collection](#)
- [Manipulating BibTeX bibliographies](#)
- [Mirror sites](#)
- [Frequently asked questions](#) about this bibliography collection.
- [Abbreviations](#)
- [What's new?](#)

#### Search for publications in the bibliography collection

Since the bibliographies are not just referenced by links, but actually mirrored and present as a local copy, they are searchable.

Query:  in  field;

Publication **year**: in: , since: , before:  (four digit years)

Options: , , sort by  online papers only

You may use [Lucene syntax](#), available fields are: `ti` (title), `au` (author), `yr` (publications year). In short: the default operator is 'OR', use '+' and '-' operators to specify (+)required and (-)forbidden words. Wildcards: '?' – single letter, and '\*' – part of the word (at the end of a word), '~' – specified at the end of a word makes approximate match (allows typos, but takes many seconds to process)

# Integrierte Web Suche – Öffnen und Suchen

JabRef - C:\Users\koppor\BTSync\Projects\JabRef\Dante-2018\demo.bib

File Edit Search Groups View BibTeX Quality Tools Options Help

The screenshot shows the 'Search' menu with options: Search (Strg+F), Replace string... (Strg+R), and Web search (Alt+4). The 'Web search' dialog is open, displaying 'demo.bib' in the search field. Below the search field are two buttons: 'Fetch' and 'Reset'.

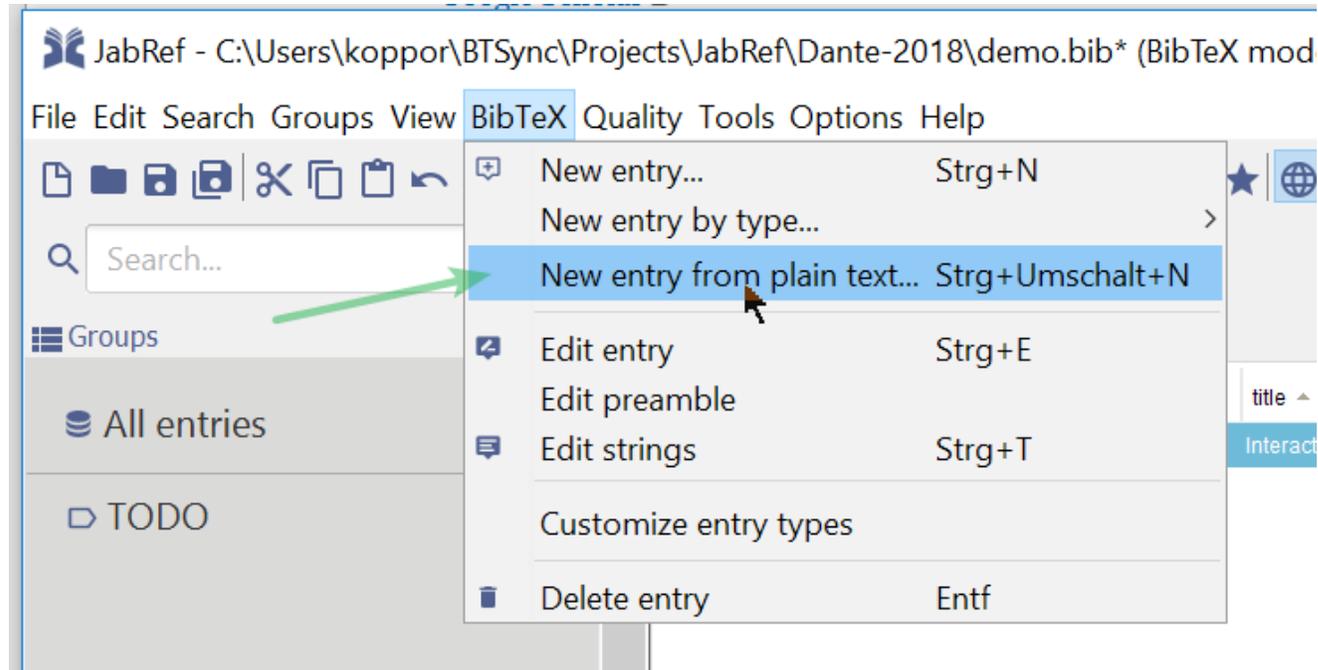
The screenshot shows a list of search engines: ACM Portal, ArXiv (highlighted), CiteSeerX, Crossref, DBLP, DOAJ, GVK, Google Scholar, and ArXiv. Below the list are three buttons: 'Fetch', 'Reset', and a help icon (question mark).

# Integrierte Web Suche – Ergebnisse aussuchen

Keep	Author	Title	Year	Bibtexkey
	Decker et al.	An introduction to service choreographie...	2008	decker2...
	Decker et al.	Modeling service choreographies using B...	2008	decker2...
	Decker et al.	BPEL4Chor: Extending BPEL for modelin...	2007	decker2...
	Decker et al.	Interacting services: From specification t...	2009	decker2...
	Decker et al.	BPEL4Chor: Extending BPEL for Modelin...	2007	decker2...
	Decker et al.	Service referrals in BPEL-based choreogr...	2007	decker2...
<input checked="" type="checkbox"/>	Kopp et al.	Interaction choreography models in BPEL...	2010	kopp201...
	Kopp et al.	Extending choreography spheres to impr...	2010	kopp201...
	Kopp and Leymann	Choreography Design Using WS-BPEL.	2008	kopp200...
	Kopp et al.	Modeling Choreographies: BPMN 2.0 ver...	2011	kopp201...
	Kopp et al.	Mapping interconnection choreography ...	2010	kopp201...
	Kopp et al.	The need for a choreography-aware servi...	2008	kopp200...
	Kopp et al.	Towards choreography transactions.	2009	kopp200...
	Lohmann et al.	Analyzing BPEL4Chor: Verification and p...	2007	lohmann...
	Pfitzner et al.	Web service choreography configurations...	2007	pfitzner2...

**InProceedings (kopp2010interaction)**  
Kopp, O.; Engler, L.; Van Lessen, T.; Leymann, F. & Nitzsche, J.  
Interaction choreography models in BPEL: Choreographies on the enterprise service bus  
*International Conference on Subject-Oriented Business Process Management*, 2010, 36-53

# Importieren von Zitationen: Start des Prozesses



# Importieren von Zitationen: Manuell oder Cloud?

Plain text import for article

Raw source BibTeX source

Beel, J., Langer, S., Genzmehr, M., Nürnberger, A.: Introducing Docear's research paper recommender system. In: Proceedings of the 13th ACM/IEEE-CS Joint Conference on Digital Libraries - JCDL 2013, p. 459 (2013)

Work options

Available BibTeX fields

- author
- title
- journal
- year
- volume
- number
- pages
- month

Append  Override

Insert

**Plain text import**

This is a simple copy and paste dialog. First load or paste some text into the text input area. After that, you can mark text and assign it to a BibTeX field.

Accept Parse with FreeCite Cancel

# Ergebnis

---

```
@InProceedings{Beel2013,  
  author      = {J Beel and S Langer and M Genzmehr and Nürnberger},  
  title       = {A.: Introducing Docear's research paper recommender  
system},  
  booktitle   = {In: Proceedings of the 13th ACM/IEEE-CS Joint Conference on  
Digital Libraries - JCDL 2013},  
  year        = {2013},  
  pages       = {459},  
}
```

# Händische Korrektur

---

```
@InProceedings{Beel2013,  
  author      = {J Beel and S Langer and M Genzmehr and Nürnberger},  
  title       = {Introducing Docear's research paper recommender system},  
  booktitle   = {Proceedings of the 13th ACM/IEEE-CS Joint Conference on  
Digital Libraries},  
  year        = {2013},  
}
```

# DOI nachschlagen und Korrekturen

 Merge entry with DOI information ✕

Show diff - character ▾

Field	Original entry	Use Left None Right	Entry from DOI
Entry type	inproceedings		inproceedings
Author	J Beel and S Langer and M Genzmehr and Nürnberger	<input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>	<a href="#">Joeran</a> Beel and <a href="#">Stefan</a> Langer and <a href="#">Marcel</a> Genzmehr and <a href="#">Andreas</a> Nürnberger
Bibtexkey	Beel2013	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	Beel_2013
Booktitle	Proceedings of the 13th ACM/IEEE-CS Joint Conference on Digital Libraries	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	Proceedings of the 13th <a href="#">ACM/IEEE-CS</a> Joint Conference on Digital <a href="#">Libraries - {JCDL}</a>
Doi	10.1145/2467696.2467786		10.1145/2467696.2467786
Publisher		<input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>	<a href="#">ACM Press</a>
Title	Introducing Docear's research paper recommender system	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	Introducing Docear's <a href="#">research paper recommender system</a>
Year	2013		2013

---

**Merged entry**

***InProceedings (Beel2013)***  
Beel, J.; Langer, S.; Genzmehr, M. & Nürnberger, A.  
Introducing Docear's research paper recommender system  
*Proceedings of the 13th ACM/IEEE-CS Joint Conference on Digital Libraries, ACM Press, 2013*

**Merged BibTeX source code**

```
@InProceedings{Beel2013,  
  author = {Joeran Beel and Stefan Langer and Marcel Genzmehr and Andreas Nürnberger},  
  title = {Introducing Docear's research paper recommender system},  
  booktitle = {Proceedings of the 13th ACM/IEEE-CS Joint Conference on Digital Libraries},  
  year = {2013},  
  publisher = {{ACM} Press},  
  doi = {10.1145/2467696.2467786},  
}
```

Replace original entry Cancel

# Automatisches Aufräumen

## Empfohlen für BibTeX

Cleanup entries

What would you like to clean up?

- Move DOIs from note and URL field to DOI field and remove http prefix
- Upgrade external PDF/PS links to use the 'file' field.
- Move linked files to default file directory C:\Users\koppo\BTSync\Projects\JabRef\Dante-2018
- Make paths of linked files relative (if possible)
- Rename PDFs to given filename format pattern  
Filename format pattern: [bibtexkey] - [title]  
 Rename only PDFs having a relative path
- Convert to BibTeX format (for example, move the value of the 'journaltitle' field to 'journal')
- Convert to biblatex format (for example, move the value of the 'journal' field to 'journaltitle')
- Reformat ISSN

Run field formatter:

pages: Normalize page numbers  
date: Normalize date  
month: Normalize month  
all-text-fields: Replace Unicode ligatures  
title: HTML to LaTeX  
title: Unicode to LaTeX  
booktitle: Unicode to LaTeX  
journal: Unicode to LaTeX

Reset   **Recommended for BibTeX**   Remove selected

abstract   HTML to LaTeX   Add

Description: Converts HTML code to LaTeX code.

OK   Cancel

Title	Introducing Docear's research paper recommender system
Booktitle	Proceedings of the 13 <sup>th</sup> ACM/IEEE-CS Joint Conference on Digital Libraries

# Importieren von Einträgen

The screenshot shows the JabRef application in BibTeX mode. On the left, a file explorer window is open, displaying the directory structure: `> kopper > BTSync > Projects > JabRef > Dante-2018`. The search bar contains "Dante-2018" and the search results show two files: "brucker-authorarchive-2016.ris" (Research Information...) and "demo.bib" (BibTeX).

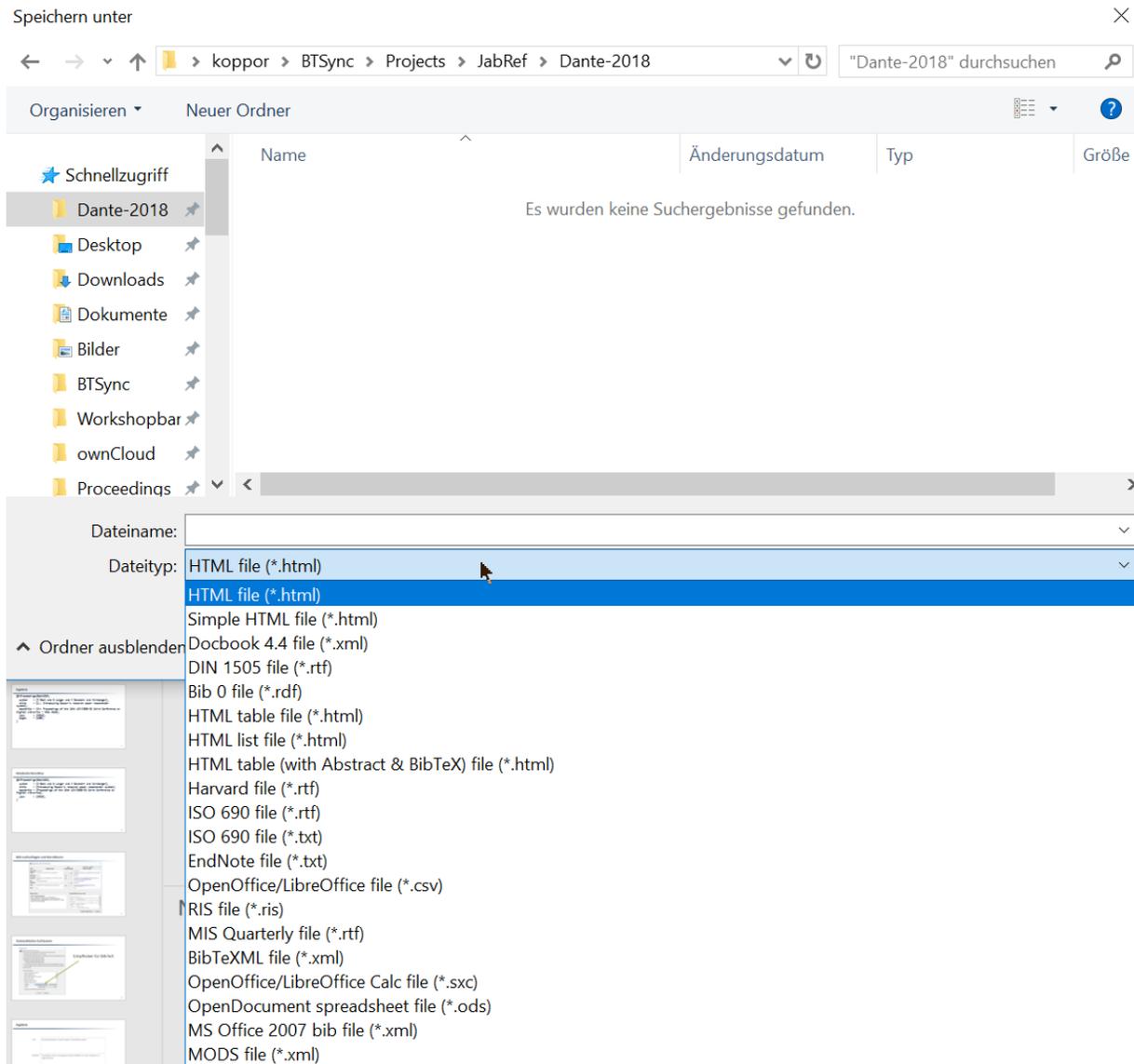
The main window of JabRef shows a list of entries under the heading "All entries". The entry list has one entry with the following details:

#	entry...	author/editor	title
1	InProce... Brucker		A Simple Example of the authorar

At the bottom of the application, a dropdown menu is open, showing a list of available import formats. The list includes:

- Available import formats (\*.bib;\*.bibx;\*.xml;\*.txt;\*.txt;\*.xml;\*.txt;\*.isi;\*.txt;\*.xml;\*.xml;\*.nbib;\*.xml;\*.nbib;\*.txt;\*.pdf;\*.txt;\*.ris;\*.ref;\*.enw;\*.dat;\*.txt;\*.pdf;\*.txt;\*.xml)
- Available import formats (\*.bib;\*.bibx;\*.xml;\*.txt;\*.txt;\*.xml;\*.txt;\*.isi;\*.txt;\*.xml;\*.xml;\*.nbib;\*.xml;\*.nbib;\*.txt;\*.pdf;\*.txt;\*.ris;\*.ref;\*.enw;\*.dat;\*.txt;\*.pdf;\*.txt;\*.xml)
- BibTeX Library (\*.bib)
- BibTeXXML file (\*.bibx, \*.xml)
- Biblioscope file (\*.txt)
- Copac file (\*.txt)
- EndNote XML file (\*.xml)
- INSPEC file (\*.txt)
- ISI file (\*.isi, \*.txt)
- MODS file (\*.xml)
- MS Office 2007 bib file (\*.xml)
- Medline file (\*.nbib, \*.xml)
- MedlinePlain file (\*.nbib, \*.txt)
- Ovid file (\*.txt)
- PDF content file (\*.pdf)
- REPEC New Economic Papers (NEP) (\*.txt)
- RIS file (\*.ris)
- EndNote/Refer file (\*.ref, \*.enw)
- SilverPlatter file (\*.dat, \*.txt)
- XMP-annotated PDF (\*.pdf)
- FreeCite file (\*.txt, \*.xml)
- Any file (\*.\*)

# Exportieren von Einträgen



# Neues Format für den Export definieren

---

- Siehe <http://help.jabref.org/en/CustomExports>

- Neue Sprache

- z.B.

```
\begingroup{keywords}New Category:
```

```
\format[HTMLChars]{\keywords} \endgroup{keywords}
```

# Qualität: DOI bestimmen

The screenshot shows the JabRef application window. At the top, the title bar reads "JabRef - C:\Users\koppo\BTSync\Projects\JabRef\Dante-2018\demo.bib\* (BibTeX mode)". Below the title bar is a menu bar with "File", "Edit", "Search", "Groups", "View", "BibTeX", "Quality", "Tools", "Options", and "Help". A toolbar contains various icons for file operations and search. A search bar is visible with the text "Search...".

The main area displays a table of BibTeX entries. The first entry is selected and highlighted in blue. The table has columns for "#", "entry...", "author/editor", "title", "year", "journal/book...", "bibtexkey", and "ranking". The selected entry is:

#	entry...	author/editor	title	year	journal/book...	bibtexkey	ranking
1	inProc...	Kopp et al.	Interaction choreography models in BPEL: Choreograp...	2010	International ...	kopp2010...	

Below the table, there are tabs for "Required fields", "Optional fields", "Deprecated fields", "Other fields", "General", "BibSonomy", and "Ex". The "General" tab is active, showing a form with several fields: "Crossref", "File", "DOI", "URL", "Citeseerurl", "Comment", "Owner", and "Timestamp". A green arrow points to the "DOI" field, which has a small icon next to it. A tooltip with the text "Look up DOI" is visible over this icon.

On the left side of the form, there is a vertical sidebar with the text "InProceedings" and several icons for editing and deleting entries.

# Qualität: Eintrag mit DOI-Daten abgleichen

proceedings

DOI

10.1007/978-3-642-23135-3\_3

Get BibTeX data from DOI



### Merge entry with DOI information

Show diff - character

Field	Original entry	Use	Entry from DOI
		Left None Right	
Entry type	inproceedings	<input checked="" type="radio"/> <input type="radio"/>	incollection
Author	Kopp, Oliver and Engler, Lasse and Van Lessen, Tammo and Leymann, Frank and Nitzsche, J{"o}rg	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	Kopp, Oliver Kopp and Lasse Engler, Lasse and Tammo van Lessen, Tammond Frank Leymann, Frank and Jörg Nitzsche, J{"o}rg
Bibtexkey	kopp2010interaction	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	kKopp_2010interaction_1
Booktitle	International Conference on Subject-Oriented Business Process Management	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	International Conference on Subject-Oriented Business Process Management
Doi	10.1007/978-3-642-23135-3_3	<input type="radio"/> <input type="radio"/> <input type="radio"/>	10.1007/978-3-642-23135-3_3
Organization	Springer	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	
Pages	36-53	<input type="radio"/> <input type="radio"/> <input type="radio"/>	36-53
Publisher		<input type="radio"/> <input type="radio"/> <input checked="" type="radio"/>	Springer Berlin Heidelberg
Title	Interaction choreography models in BPEL: Choreographies on the enterprise service bus	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	Interaction choreography models in BPEL: Choreographies on the Enterprise Service Bus
Year	2010	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	2010

**Merged entry**

*InProceedings (kopp2010interaction)*  
Kopp, O.; Engler, L.; Van Lessen, T.; Leymann, F. & Nitzsche, J.  
Interaction choreography models in BPEL: Choreographies on the enterprise service bus  
*International Conference on Subject-Oriented Business Process Management, Springer Berlin Heidelberg, 2010, 36-53*

**Merged BibTeX source code**

```
@InProceedings{kopp2010interaction,
  author = {Kopp, Oliver and Engler, Lasse and Van Lessen, Tammo and Leymann, Frank and Nitzsche, J{"o}rg},
  title = {Interaction choreography models in BPEL: Choreographies on the enterprise service bus},
  booktitle = {International Conference on Subject-Oriented Business Process Management},
```

Replace original entry Cancel

# Feature für Geisteswissenschaftler: Verwandte Arbeiten finden

JabRef - C:\Users\koppor\BTSync\Projects\JabRef\Dante-2018\demo.bib (BibTeX mode)

File Edit Search Groups View BibTeX Quality Tools Options Help

Search... Filter

Web search  
Google Scholar  
kopp bpel4chor  
Fetch Reset

#	entry...	author/editor	title	year	journal/book...	bibtexkey	ranking
1	InProc...	Kopp et al.	Interaction Choreography Models in BPEL: Choreogra...	2011	International ...	kopp2010...	

Optional fields | Deprecated fields | Other fields | General | BibSonomy | Extra | **Related articles**

- [Making Dance, Making Sense: epistemology and choreography](#). D Risner. *Research in Dance Education*. 2000
- [Dance-making online: teaching choreography in virtual space](#). AK Davis. *Kinesiology Abstracts*. 2006
- [TR service delivery and TR outcome models](#). G E Van Andel, C P Coyle, V B Parker, R W Carmack. *Therapeutic Recreation Journal*. 1998
- [Transport for passengers: a study in enterprise without licence](#). John Hibbs. *Institute of Economic Affairs*. 1971
- [Dynamics of Generalised Spatial Interaction Models](#). Peter Nijkamp, Jacques Poot. *Regional Science and Urban Economics*. 1987
- [Structure and mechanisms of interaction between business and the government \(on the basis of Nizhny Novgorod region\)](#). Adrian Mihailovich Bekarev, Sergey Yurievich Bychkov. *Modern Research of Social Problems*. 2012

# Gruppierung von Einträgen

Add group ✕

General

Name

Description

Color

Icon

Statically group entries by manual assignment

Dynamically group entries by searching a field for a keyword

Dynamically group entries by a free-form search expression

Automatically create groups

Group containing entries cited in a given TeX file

Hierarchical context

Independent group: When selected, view only this group's entries

Refine supergroup: When selected, view entries contained in both this group and its superg...

Include subgroups: When selected, view entries contained in this group or its subgroups

Options

Field

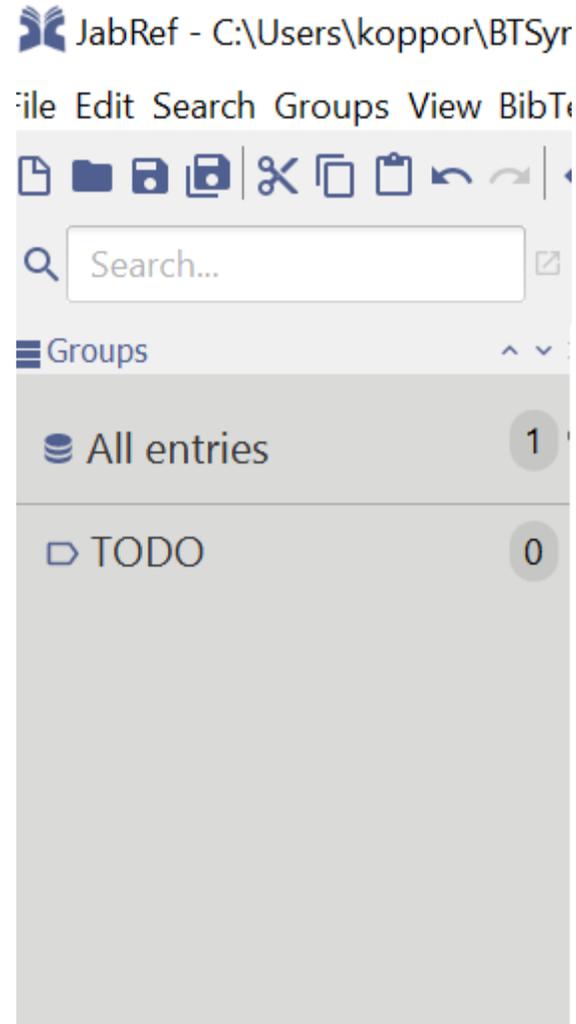
Keyword

Case sensitive

regular expression

Description

This group contains entries whose **keywords** field contains the keyword **TODO** (case insensitive). Additionally, entries whose **keywords** field does not contain **TODO** can be assigned manually to this group by selecting them then using either drag and drop or the context menu. This process adds the term **TODO** to each entry's **keywords** field. Entries can be removed manually from this group by selecting them then using the context menu. This process removes the term **TODO** from each entry's **keywords** field.



# Ergebnis bei Verwendung des Keywords „TODO“

JabRef - C:\Users\koppor\BTSync\Projects\JabRef\Dante-2018\demo.bib\* (BibTeX mode)

File Edit Search Groups View BibTeX Quality Tools Options Help

Search... Filter

Groups

- All entries 1
- ▷ TODO 1

#	entry...	author/editor	title	y...	journal/book...	bibtexkey	ranking
1	InProce...	Kopp et al.	Interaction Choreography Models in BPEL: Choreogra...	2011	International ...	kopp2010i...	

**InProceedings**

- Required fields
- Optional fields
- Deprecated fields
- Other fields
- General
- Abs

Crossref

Keywords: TODO

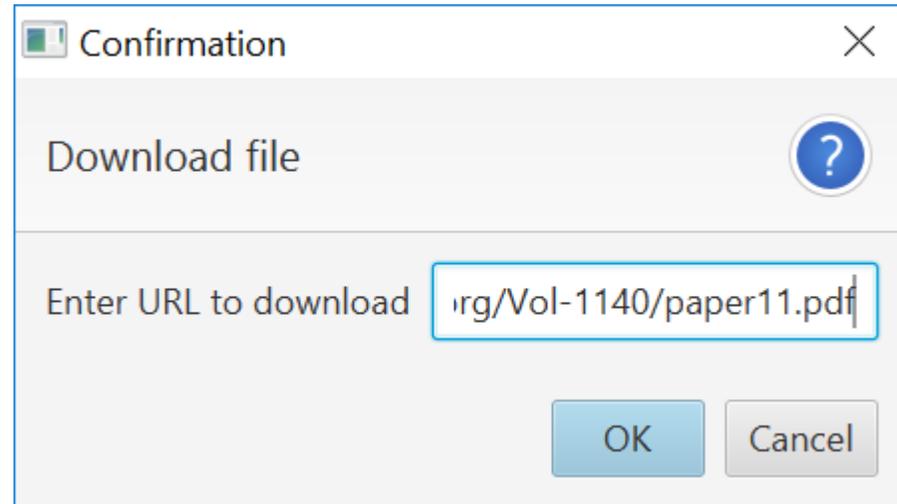
File

+ 🔍 ⬇

# PDF suchen

File	<input type="text"/>	+ 🔍 ↗
DOI	<input type="text"/>	🔍 📄
URL	<input type="text" value="http://ceur-ws.org/Vol-1140/paper11.pdf"/>	🔍

# Wenn URL bekannt...



# PDF anhängen: Drag and drop auf Eintragungstabelle

jects\JabKet\Dante-2018\demo.bib^ (BibTeX mode)

Quality Tools Options Help

abc Filter

demo.bib\*

#	entryty...	author/editor	title	y...	journal/book...	bibtexkey	ranking
1	InProce...	Breitenbücher et al.	Vinothek - A Self-Service Portal for TOSCA	2014	Proceedings ...	Breitenbu...	
2	InProce...	Beel et al.	Introducing Doc...	2013	Proceedings ...	Beel2013	
3	InProce...	Kopp et al.	Interaction Choreography in BPEL	2011	International ...	kopp2010i...	

Required fields Optional fields Deprecated fields Other fields General Abs

# Optionen

Import metadata from PDF

Import metadata from: **VinothekDemoPaper.pdf**

Choose the source for the metadata import

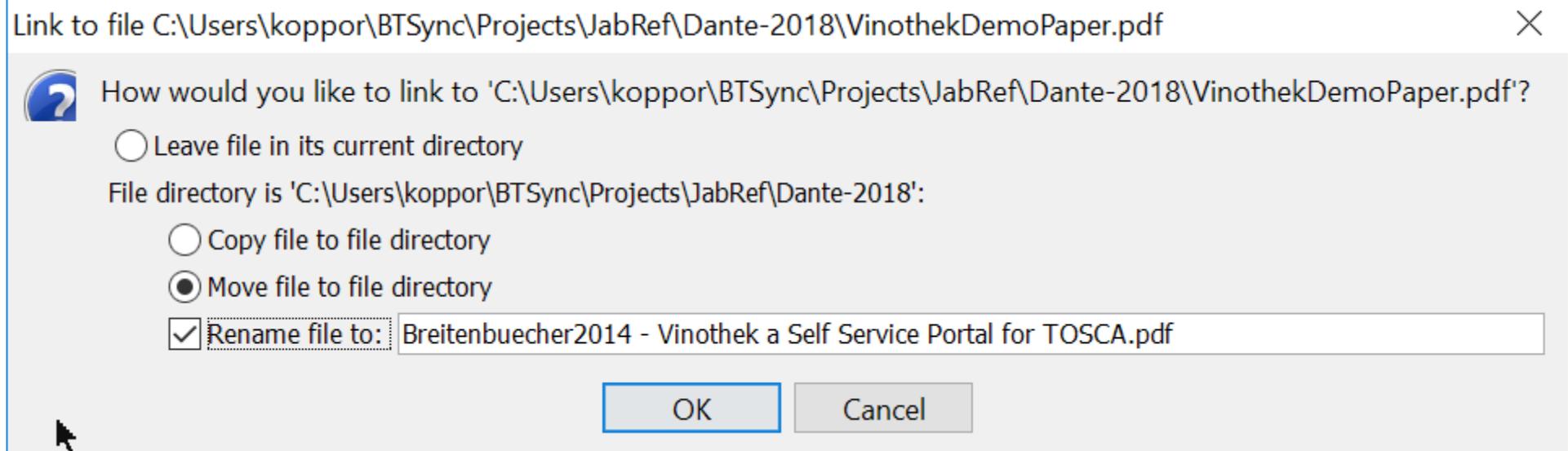
Create new entry

- Create blank entry linking the PDF
- Create entry based on XMP-metadata
- Create entry based on content

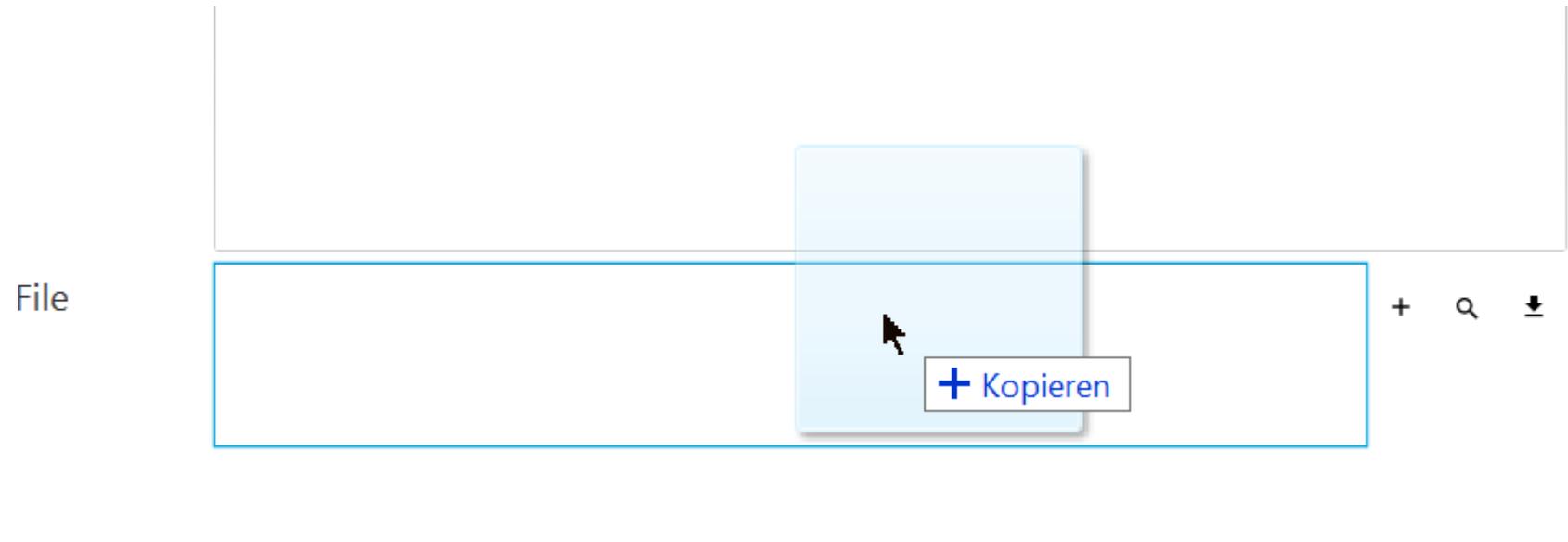
Update existing entry

- Only attach PDF
- Do not show this box again for this import
- Always use this PDF import style (and do not ask for each import)

OK Cancel



# Neuer Weg: Weniger Dialoge, mehr Konventionen



# Cleanup

File

VinothekDemoPaper.pdf

Cleanup entries



What would you like to clean up?

- Move DOIs from note and URL field to DOI field and remove http prefix
- Upgrade external PDF/PS links to use the 'file' field.
- Move linked files to default file directory C:\Users\koppo\BTSync\Projects\JabRef\Dante-2018
- Make paths of linked files relative (if possible)
- Rename PDFs to given filename format pattern**
  - Filename format pattern: [bibtexkey] - [title]
  - Rename only PDFs having a relative path
- Convert to BibTeX format (for example, move the value of the 'journaltitle' field to 'journal')
- Convert to biblatex format (for example, move the value of the 'journal' field to 'journaltitle')
- Reformat ISSN

Run field formatter:

date: Normalize date  
editor: Unicode to LaTeX  
pages: Normalize page numbers  
journal: Unicode to LaTeX  
month: Normalize month  
author: Unicode to LaTeX  
all-text-fields: Identity  
all-text-fields: Identity

Reset

Recommended for BibTeX

Remove selected

abstract

HTML to LaTeX

Add

Description: Converts HTML code to LaTeX code.

OK

Cancel

# Work in Progress: Import vom Browser

---

- JabFox: <https://addons.mozilla.org/en-US/firefox/addon/jabfox>
- Demo via: <http://builds.jabref.org/nativeMessaging/>

# Hilfe zu JabRef

---

- <http://help.jabref.org/>
- <https://manuals.jabref.org/>
  - Deutsches Benutzerhandbuch (Dominik Waßenhoven)
- <http://discourse.jabref.org/>
- <https://github.com/JabRef/jabref/issues>
- Bitte folgende Seite besuchen: <https://contribute.jabref.org>

# Ausblick: JabRef 5.0

The screenshot displays the JabRef 5.0 application window. The interface includes a menu bar (File, Edit, Library, Quality, Tools, View, Options, Help), a search bar, and a toolbar with various icons. A left sidebar shows a 'Groups' panel with 'All entries' selected, containing 111 items. The main area shows a table of bibliographic entries from the 'NEMAR.bib' file. A 'Cleanup entries' tooltip is visible over the toolbar.

entrytype	author/editor	title	year	journ...	b...	*
Misc	ABB et al.	IEC 61850 INTEROPERABILITY BETWEEN ABB, ALSTOM...	2002		A...	
InProceedings	Alam et al.	Cost optimization via rescheduling in smart grids &#x...	2013	2013 I...	A...	
InProceedings	Ali et al.	Pursuit Algorithm for optimized load scheduling	2012	Power...	A...	
InProceedings	Ali et al.	Load scheduling with maximum demand and time of ...	2013	Globa...	A...	
InProceedings	Altmann et al.	Investigation of the use of embedded Web Services in...	2012	IECO...	A...	
InProceedings	Aman et al.	Improving Energy Use Forecast for Campus Micro-grid...	2011	Data ...	A...	
Article	Aman et al.	Holistic Measures for Evaluating Prediction Models in ...	2015	Knowl...	A...	
Article	Amjady et al.	Short-Term Load Forecast of Microgrids by a New Bile...	2010	Smart...	A...	
InCollection	Angelis et al.	Optimal Task and Energy Scheduling in Dynamic Resid...	2012	Advan...	A...	
InProceedings	Ardito et al.	Smart Grid Technologies in Europe: An Overview	2013		A...	
InProceedings	Ashfaq et al.	Optimization of economic dispatch problem integrate...	2014	2014 I...	A...	
InProceedings	Atabay et al.	Self-Adapting Building Models and Optimized HVAC S...	2013	22nd I...	A...	
InProceedings	Bashash and Fathy	Optimizing demand response of plug-in hybrid electri...	2013	2013 ...	B...	
Article	Bassamzadeh et al.	Robust scheduling of smart appliances with uncertain ...	2014	Energ...	B...	
InProceedings	Beaude et al.	Charging games in networks of electrical vehicles	2012	Netw...	b...	
InCollection	Behrens et al.	Towards a Taxonomy of Constraints in Demand-Side-...	2017	Busin...	B...	
Article	Bera et al.	Cloud Computing Applications for Smart Grid: A Survey	2015	IEEE T...	B...	
Misc	BMW	Energiekonzept für eine umweltschonende, zuverlässi...	2010		B...	
Misc	BMW	Zweiter Monitoring-Bericht Energie der Zukunft	2014		B...	
Article	Bozchalui et al.	Optimal Operation of Residential Energy Hubs in Smar...	2012	Smart...	B...	
InProceedings	Bu and Nygard	Adaptive scheduling of smart home appliances using f...	2014	The Si...	B...	
InProceedings	Busemann et al.	Enabling the Usage of Sensor Networks with Service-o...	2012	Proce...	B...	
Article	Busemann et al.	Integrating Sensor Networks for Energy Monitoring wi...	2013	Intern...	B...	

# Vergleich mit anderen

<https://ultimate-comparisons.github.io/ultimate-reference-management-software-comparison/>

## Ultimate-Comparison Ultimate comparison of reference management software

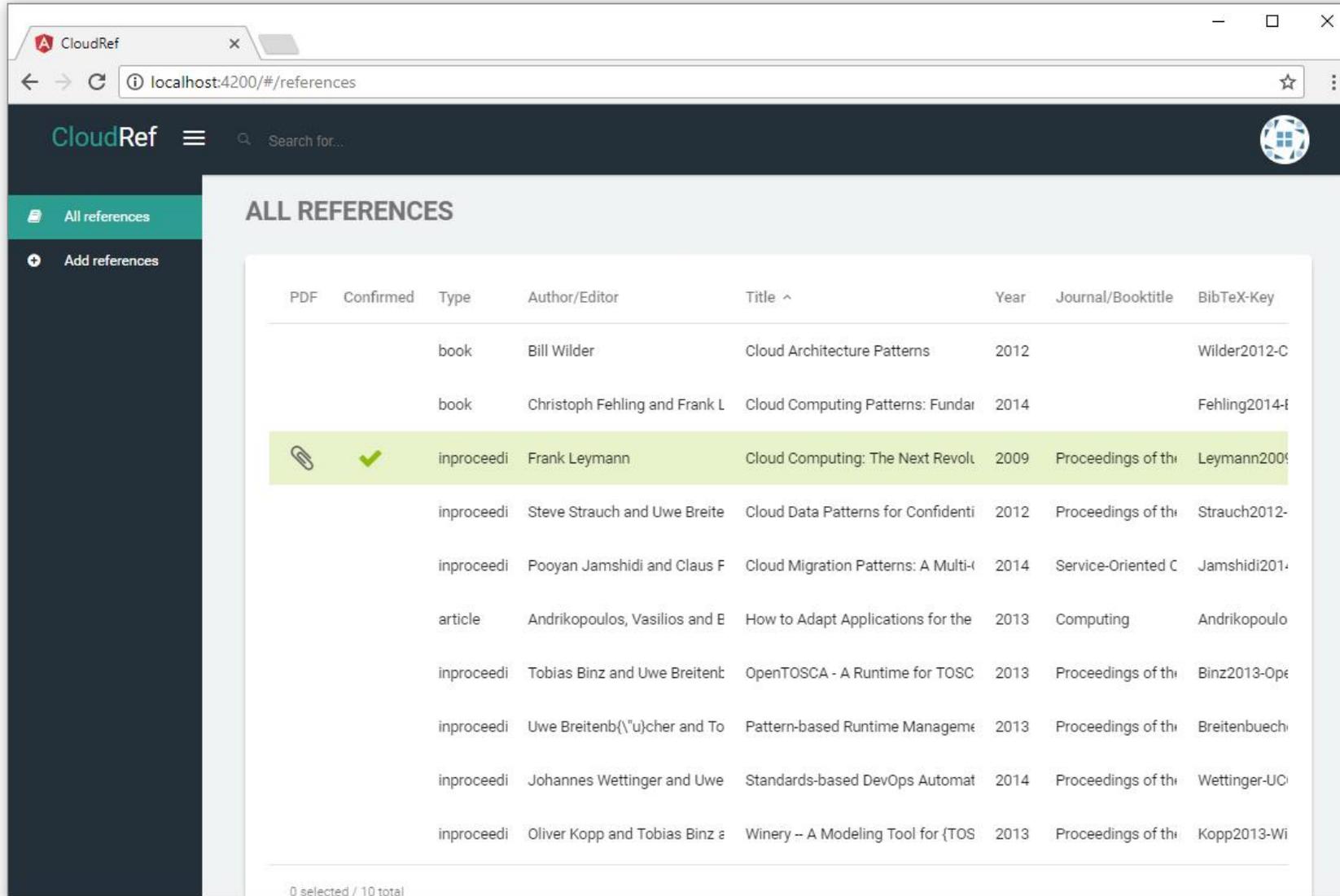
This is a comparison of reference management software.

<b>Open Source</b> <small>(match one)</small> Select ...	<b>Database search</b> <small>(match all)</small> Select ...
<b>Document types</b> <small>(match all)</small> Select number ranges ...	<b>Processing and evaluation of full texts</b> <small>(match one)</small> Select Processing and evaluation of full texts of ...
<b>Cooperative use</b> <small>(match one)</small> Select ...	<b>Word processing support</b> <small>(match all)</small> Select word processing program ...
<b>Creation of literature lists</b> <small>(match all)</small> Select ...	

### Comparison of reference management software

Software	Open Source	Web client	Import filter	Import from web pages	Export	Database search	Define new document types	Define new entry fields	Add metadata from other sources	Link references	Processing and evaluation of full texts	Sharing records with other users	Cooperative use	Self-definition or adaptation of citation styles	Creation of literature lists	Organization of knowledge
Algaion	yes	yes	BibTeX RIS others	no	BibTeX RIS	none	no	yes		yes	no	yes	yes	no	static	tags notes groups
BibSonomy	yes	yes	BibTeX RIS others	yes	BibTeX RIS others	own database	no	no	ISBN DOI others	no	no	yes	yes	no	static	notes tags
Citavi	no	no	BibTeX RIS others	yes	BibTeX RIS others	arXiv IEEE Xplore Springer Crossref others	no	yes	ISBN DOI others	yes	yes	yes	yes	yes	static dynamic (L)	notes tags groups free text fields
CiteULike	no	yes	BibTeX RIS	yes	BibTeX RIS others	own database	no	no		no	yes	yes	yes	no	static	notes tags groups
Colwiz	no	yes	BibTeX RIS others	yes	BibTeX RIS others	Google Scholar arXiv IEEE Xplore DBLP Springer Crossref own database others	no	no	ISBN DOI others	no	yes	yes	yes	yes	static dynamic	notes groups tags
Docear	yes	no	BibTeX	no	BibTeX RIS others	none	no	yes	others	yes	yes	yes	no	yes	static dynamic	notes tags groups mind map
EndNote	no	yes	RIS others	yes	BibTeX RIS others	Crossref others	yes	yes	DOI others	no	yes	yes	yes	yes	static dynamic	notes tags groups
F1000Workspace	no	yes	BibTeX RIS others	yes	BibTeX RIS others	none	no	no	ISBN DOI others	no	yes	yes	yes	no	static	notes tags groups
JabRef	yes	no	BibTeX RIS others	yes	BibTeX RIS others	Google Scholar arXiv IEEE Xplore DBLP Springer Crossref others	yes	yes	ISBN DOI others	yes	no	yes	yes	yes	static dynamic	tags groups special fields

# Ausblick: CloudRef



The screenshot shows a web browser window with the URL `localhost:4200/#/references`. The application header includes the "CloudRef" logo, a search bar, and a globe icon. A left sidebar contains "All references" and "Add references" options. The main content area is titled "ALL REFERENCES" and displays a table of reference entries. The table has columns for PDF, Confirmed, Type, Author/Editor, Title, Year, Journal/Booktitle, and BibTeX-Key. The entry for "Cloud Computing: The Next Revolution" by Frank Leymann is highlighted in green and has a green checkmark in the Confirmed column.

PDF	Confirmed	Type	Author/Editor	Title ^	Year	Journal/Booktitle	BibTeX-Key
		book	Bill Wilder	Cloud Architecture Patterns	2012		Wilder2012-C
		book	Christoph Fehling and Frank L	Cloud Computing Patterns: Funda	2014		Fehling2014-f
		inproceedi	Frank Leymann	Cloud Computing: The Next Revolt	2009	Proceedings of the	Leymann2009
		inproceedi	Steve Strauch and Uwe Breite	Cloud Data Patterns for Confidenti	2012	Proceedings of the	Strauch2012-
		inproceedi	Pooyan Jamshidi and Claus F	Cloud Migration Patterns: A Multi-	2014	Service-Oriented C	Jamshidi201-
		article	Andrikopoulos, Vasilios and E	How to Adapt Applications for the	2013	Computing	Andrikopoulo
		inproceedi	Tobias Binz and Uwe Breitenb	OpenTOSCA - A Runtime for TOSC	2013	Proceedings of the	Binz2013-Ope
		inproceedi	Uwe Breitenb{\u}cher and To	Pattern-based Runtime Managem	2013	Proceedings of the	Breitenbuech
		inproceedi	Johannes Wettinger and Uwe	Standards-based DevOps Automat	2014	Proceedings of the	Wettinger-UC
		inproceedi	Oliver Kopp and Tobias Binz	Winery -- A Modeling Tool for {TOS	2013	Proceedings of the	Kopp2013-Wi

0 selected / 10 total

# Zusammenfassung und Ausblick

---

- BibTeX als internes Datenformat
- Qualitätssicherungsfunktionen
- DOI-Fetcher
  
- JabRef 5.0 und CloudRef
- Extraktion von BibtexVM zur Interpretation von bst-Dateien
  
- Frage und Antwortrunde am Freitag, 14:00 Uhr
- Fragen an [kopp.dev+jabref@gmail.com](mailto:kopp.dev+jabref@gmail.com)
  
- Bitte <https://contribute.jabref.org> besuchen