

Reference Management: BibTeX and Beyond

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Agenda

- Reference management in general
- Review of BibTeX
- Three less well-known reference management systems
 - Note: there are many others, here focus on OS-independent ones

Reference Management in General

What is Reference Management?

- Collecting and organising your references (citation data + maybe more).
- RM software should support at least retrieval and automatic bibliography creation,
- but maybe also data input (editors but also from online sources such as Citeseer), sharing, consistency checks, filing of off-prints or local copies, ...

Why Reference Management?

- Reuse: save time; consistency; fewer errors
- Retrieval: find quickly information on documents you have read in the past
- Automatic bibliographies: can benefit from standard style sheets, easy to change formatting and sorting

Why shared RM?

- Potential benefits of **sharing** references with others:
 - avoid data entry
 - recommendations
 - local systems can save disk space by sharing electronic copies
- But: privacy issues

Possible Main Requirements

1) Underlying citation data format:

- common exchange format? Certain flexibility to accommodate local choices? Support import and export from/to other common formats (bibtex, XML, MODS?, ...)

2) Automatic bibliography creation

- LaTeX compatibility? [or your favourite editor]

3) Retrieval: powerful search etc.

4) Support for sharing:

- distinction of public and private data fields; possibility to retrieve the references you added, restrict search to them etc.

Requirements: Some Practical Issues

- OS-independence?
- Easy to use
- Low maintenance for administrator if needed, little work needed for set-up
- Stable & working correctly
- Support: documentation, mailing lists etc.
- Must be free?

Possible Solutions

- Create your own customised database
 - Completely flexible, but more work, and no standard
- If you work with LaTeX: BibTeX
- Existing RM systems:
 - Single-user systems (e.g. **JabRef**)
 - Multi-user systems:
 - Local systems (e.g. **RefDB**)
 - Web-based systems (e.g. **CiteULike**)

BibTeX

Bibliography Creation in LaTeX

Two ways of creating bibliographies in LaTeX:

- 1) Manually: `thebibliography` environment
- 2) Automatically: with BibTeX

Manual process:

- create `thebibliography` environment with list of references in the document, each with unique ID
- to create a citation, use `\cite{ID}`
- run latex as usual

Manual Example

```
%%%%%%%% mydoc.tex %%%%%%%%%  
\documentclass{article}  
\begin{document}
```

Refer to Latex guides for more information (e.g. \cite{MG}).

```
\begin{thebibliography}
```

```
\bibitem[Goo94]{MG} Goossens, M., Mittelbach, F., Samarin, \emph{  
{A LaTeX Companion}}, Addison-Wesley, Reading, MA, 1994.
```

```
\bibitem[Kop99]{HK} Kopka, H., Daly P.W., \emph{A Guide to  
LaTeX}, Addison-Wesley, Reading, MA, 1999. bibitem{Pan} Pan, D.,  
`A Tutorial on MPEG/Audio Compression," \emph{IEEE Multimedia},  
Vol.2, pp.60-74, Summer 1998.
```

```
\end{thebibliography}  
\end{document}
```

latex



Refer to Latex guides for more information (e.g. [Goo94]).

References

[Goo94] Goossens, M., Mittelbach, F., Samarin, *A LaTeX Companion*, Addison-Wesley, Reading, MA, 1994.

[Kop99] Kopka, H., Daly P.W., *A Guide to LaTeX*, Addison-Wesley, Reading, MA, 1999. bibitemPan Pan, D., "A Tutorial on MPEG/Audio Compression," *IEEE Multimedia*, Vol.2, pp.60-74, Summer 1998.

Automatic Process with BibTeX

- create *mydatabase.bib* text file containing all your reference entries, again each with unique id
- in your LaTeX document
 - as before, use `\cite` command with ID to cite
 - specify style to use, e.g. `\bibliographystyle{plain}`
 - insert `\bibliography{mydatabase}` where you want the bibliography
- then run `latex, bibtex, latex`. This will extract only the cited references from your `.bib` file, and format them according to the specified style.

BibTeX entries

- Each entry in BIBTeX follows a standard format. The format changes slightly based on the entry type, but the syntax remains the same. The syntax is:

```
@entry_type {uniqueID,  
  fieldname= "value"  
  fieldname= "value"    }
```

- Some fields are required, others optional.

BibTeX Entry Types

@article An article from a journal or magazine.

Required fields: author, title, journal, year.

Optional fields: volume, number, pages, month, note.

@book A book with an explicit publisher.

Required fields: author or editor, title, publisher, year.

Optional fields: volume or number, series, address, edition, month, note.

Others: @booklet, @conference, @inbook, @incollection, @inproceedings, @manual, @mastersthesis, @misc, @phdthesis, @proceedings, @techreport, @unpublished.

BibTeX style files

- .bst file
- determines how bibliography entries will appear at the output, such as if they are sorted or not, or how they are labeled etc.
- You can write them yourself
- but many standards exist, part of Latex standard package or provided by publishers


```
%%%%%%%% mybib.bib %%%%%%%%%%
@BOOK{HK, AUTHOR={H. Kopka and P. W. Daly}, TITLE={A Guide to
LaTeX}, PUBLISHER={Addison-Wesley}, ADDRESS={Reading, MA},
YEAR=1999 }
```

```
@BOOK{MG, AUTHOR={M. Goossens and F. Mittelbach and A.
Samarin}, TITLE={A LaTeX Companion}, PUBLISHER={Addison-
Wesley}, ADDRESS={Reading, MA}, YEAR=1994 }
```

BibTeX Example

latex & bibtex

```
%%% alpha.bst %%%
%%% Style File %%%
```

```
%%%%%%%% mydoc.tex %%%%%%%%%
\documentclass{article}
\begin{document}
```

Refer to Latex guides for more information (e.g. `\cite{MG}`).

```
\bibliographystyle{alpha}
\bibliography{mybib}
```

```
\end{document}
```

Refer to Latex guides for more information (e.g. [GMS94]).

References

[GMS94] M. Goossens, F. Mittelbach, and A. Samarin. *A LaTeX Companion*. Addison-Wesley, Reading, MA, 1994.

Why go beyond BibTeX?

- You might not use LaTeX
- Even if you do, you might prefer a neutral database without LaTeX markup
- No input editor as such, only format + compilation (though emacs mode)
- There are RM systems which act as (G)UI to bibtex databases, and others with a different data format but can export in bibtex format

Three Reference Management Systems

Three RM Systems

- (1) JabRef: primarily designed for single users, interface to BibTeX DB
- (2) CiteULike: an open reference management system on the web, can import/export .bib
- (3) RefDB: multi-user system with underlying SQL DB in RIS format, can import/export .bib

(1) JabRef

- Open-source Java GUI to BibTeX entries
 - Since Oct '03, dev. status: 5 - Production/Stable
- Some management of keywords, authors, journal names etc.
- Import/export of other formats:
 - In: BibTeX XML, CSA, Refer/Endnote, ISI Web of Science, SilverPlatter, Medline/Pubmed (xml), Scifinder, OVID, INSPEC, Biblioscape, Sixpack, JStor and RIS.
Out: HTML, Docbook, BibTeX XML, MODS, RTF, Refer/Endnote and OpenOffice.org.
 - Automatic download of fields from Citeseer (and Medline)
- Customisable interface

File Edit View BibTeX Tools Options Help

test.bib hovebase.bib*

#	Author	Title	Year	Journal	Bibtexkey
10	Ando, Yasuhiro and Kobayashi, ...	Positional distribution of docosahexaenoic aci...	2004	Aquacultu...	ando04a
11	Ando, Yasuhiro and Kobayashi, ...	Positional distribution of n-3 highly unsaturat...	2004	Aquaculture	ando04
12	Ang, K. P. and Petrell, R. J.	Pellet wastage, and subsurface and surface f...	1998	Aquacult. ...	ang1998...
13	Anras, Marie-Laure Bégout and ...	Measuring cultured fish swimming behaviour:...	2004	Aquaculture	anras04
14	Aragao, Claudia and Conceicao...	Amino acid pools of rotifers and {A}rtemia un...	2004	Aquaculture	aragao04
15	Balon, Eugene K.	The theory of saltatory ontogeny and life hist...	1985		balon1985
16	Baskerville-Bridges, B. and Klin...	Development and evaluation of microparticul...	2000	Aquacult. ...	Baskervill...
17	Beer, W. Nicholas and Anderso...	Modelling the growth of salmonid embryos	1997	J. Theor. ...	beer97
18	Belal, Ibrahim E. H.	A review of some fish nutrition methodologies	2005	Bioresour...	belal05
19	Bell, J. G. and McEvoy, L. A. an...	Optimising lipid nutrition in first-feeding flatfi...	2003	Aquaculture	bell03
20	Beyer, Jan E.	Recruitment stability and survival -- simple si...	1989	Dana	beyer198...
21	Blyth, P. J. and Valdimarsson, S...	Diurnal and seasonal variation in feeding patt...	1999	Aquacultu...	blyth199...
22	Boeuf, Gilles and Le Bail, Pierre...	Does light have an influence on fish growth?	1999	Aquaculture	boeuf199...
23	Bogacki, P. and Champine, L. F.	An efficient {R}unge-{K}utta (4,5) pair	1996	Computer...	bogacki96
24	Boraas, Martin E. and Seale, Di...	Rotifer size distribution changes during transi...	1998	Hydrobiol...	boraas98

Required fields
 Optional fields
 MyOwn
 Abstract
 BibTeX source

Article

Author: Claudia Arago and Luis E. C. Conceicao and Maria Teresa Dinis and Hans-Jorgen Fyhn Manage

Title: Amino acid pools of rotifers and {A}rtemia under different conditions: nutritional implications for fish larvae

Journal: Aquaculture Manage

Year: 2004

Volume: 234

Pages: 429--445

Bibtexkey: aragao04

Settings

Search

Search All Fields

Clear

Incremental
 Highlight
 Float

Settings

Status: BibTeX key is unique.

JabRef

File Edit View BibTeX Tools Options Help

references.bib* \untitled \

#		Entry...	
1		Incolle... Anton Bat	
2		Inproc... Changkyu	
3		Article Gerasimo	
4		Article Martin He	
5		Article Stéphane	
6		Article W. Sumb	

Article

Required fields

Author: Sumbly, W

Title: Visual co

Journal: Journal o

Year: 1954

Volume: 26

Pages: 212-215

Bibtexkey: Sumbly:1954

Status: Deleted entry.

Tools menu:

- Search (Strg-F)
- Incremental search (Strg+Umschalt-F)
- Replace string (Strg-R)
- Find duplicates
- Find and remove exact duplicates
- Manage content selectors
- Autogenerate BibTeX keys (Strg-G)
- Insert selected citations into LyX (Strg-L)
- Insert selected citations into WinEdt (Strg+Umschalt-W)
- Fetch Medline (F5)
- Fetch CiteSeer (F6)
- Fetch citations from CiteSeer (F7)
- Open PDF or PS (F4)
- Open URL or DOI (F3)
- New subdatabase based on AUX file
- Integrity check
- Synchronize PDF links
- Synchronize PS links

	Year	Journal	Bibtexkey
	2000		Batliner:2...
u...	2004		Choi:2004
p...	2003	Proceedin...	Potamian...
Yi...	2002	EURASIP J...	Heckman...
s ...	2000	IEEE Tran...	Dupont:2...
n...	1954	Journal of...	Sumbly:19...
t...	2000		Wahlstr...

Quotes | BibTeX source

Manage

Manage



test.bib hovedbase.bib*

#	Author	Title	Year	Journal	Bibtexkey
10	Ando, Yasuhiro and Kobayashi, Shunjiro	Positional distribution of docosahexaenoic acid in triacyl...	2004	Aquaculture...	ando04a
11	Ando, Yasuhiro and Kobayashi, Shunjiro	Positional distribution of n-3 highly unsaturated fatty aci...	2004	Aquaculture	ando04
12	Ang, K. P. and Petrell, R. J.	Pellet wastage, and subsurface and surface feeding beh...	1998	Aquacult. Eng.	ang1998aq...
13	Anras, Marie-Laure Bégout and Lagar...	Measuring cultured fish swimming behaviour: first result...	2004	Aquaculture	anras04
14	Aragao, Claudia and Conceicao, Luis E...	Amino acid pools of rotifers and (A)rtemia under differe...	2004	Aquaculture	aragao04
15	Balon, Eugene K.	The theory of saltatory ontogeny and life history models ...	1985		balon1985
16	Baskerville-Bridges, B. and Kling, L. J.	Development and evaluation of microparticulate diets fo...	2000	Aquacult. N...	Baskerville-...
17	Beer, W. Nicholas and Anderson, Jame...	Modelling the growth of salmonid embryos	1997	J. Theor. Biol.	beer97
18	Belal, Ibrahim E. H.	A review of some fish nutrition methodologies	2005	Bioresource ...	belal05
19	Bell, J. G. and McEvoy, L. A. and Estev...	Optimising lipid nutrition in first-feeding flatfish larvae	2003	Aquaculture	bell03
20	Beyer, Jan E.	Recruitment stability and survival -- simple size-specifi...	1989	Dana	beyer1989...
21	Blyth, P. J. and Valdimarsson, S. K. an...	Diurnal and seasonal variation in feeding patterns of (A)...	1999	Aquaculture...	blyth1999a...
22	Boeuf, Gilles and Le Bail, Pierre-Yves	Does light have an influence on fish growth?	1999	Aquaculture	boeuf1999aq
23	Bogacki, P. and Champine, L. F.	An efficient (R)unge-(K)utta (4,5) pair	1996	Computers ...	bogacki96
24	Boraas, Martin E. and Seale, Dianne B...	Rotifer size distribution changes during transient phases...	1998	Hydrobiologia	boraas98
25	Box, George E. P. and Hunter, William ...	Statistics for experimenters	1978		box78book
26	Browman, Howard I.	Embryology, ethology and ecology of ontogenetic critical	1980	Brain Behav...	browman80

Article (bell03)

Bell, J.G.; McEvoy, L.A.; Estevez, A.; Shields, R.J. & Sargent, J.R.
 Optimising lipid nutrition in first-feeding flatfish larvae
Aquaculture, **2003**, 227, 211-220

Abstract: Although global production of flatfish has increased in recent years, both in terms of numbers of fish and diversification into new species, problems still remain with low survival rates and difficulties with metamorphosis. This short review highlights some advances made in optimising lipid nutrition in an attempt to overcome some of these problems. Copepod nauplii are the best live prey for first-feeding flatfish larvae. Rotifers can provide a useful method of essential fatty acid delivery but Artemia are poorer in this regard, especially at first feeding. Copepods are nutritionally beneficial due to their naturally high levels of the essential highly unsaturated fatty acids (HUFA), 20:5n-3 (eicosapentaenoic acid; EPA) and 22:6n-3 (docosahexaenoic acid; DHA), which are predominantly in the form of phospholipids. Rotifers can be enriched with fish oil emulsions to provide compositions similar to copepods, while enriched Artemia are difficult to enrich with high levels of DHA and the HUFA tend to be located in triacylglycerides rather than phospholipids. There is considerable evidence that the superior efficacy of

Status:

(2) CiteULike

- Based on the same principle as flickr.com
- community talks according to a “folksonomy”
- BibTeX/Endnote import/export
- Manage multiple sets of references
- Can find users with similar interests
- Main feature:
NO NEED TO TYPE
- CiteULike “Bookmarklet” can automatically import entries from amazon.com, SpringerLink, ...
- Fixed list of supported sites, other references are added manually/imported
- Free, Web-based (U Manchester is hosting it)

Article title

Search

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Journals

leidner's library ordered by importance

watch

Recent papers added to leidner's library. You can also [search leidner's library](#) or view all of [leidner's authors and tags](#).

▪ [Ontological Semantics \(Language, Speech, and Communication\)](#)

by [Nirenburg S](#), [Raskin V](#)
 posted to [ont](#) by [leidner](#) as ★★★★★ and [1 other](#) ... on 2005-09-16 13:43:00



▪ [Information Theory, Inference & Learning Algorithms](#)

by [Mackay DJC](#)
 posted to [ml](#) by [leidner](#) as ★★★★★ and [5 others](#) ... on 2005-11-01 16:57:35



▪ [Readings in Information Retrieval](#)

by [Jones KS](#), [Willett P](#)
 posted to [ir](#) by [leidner](#) as ★★★★★ and [1 other](#) ... on 2005-10-11 11:40:46



▪ [Elements of Information Theory](#)

by [Cover TM](#), [Thomas JA](#)
 posted to [ml](#) by [leidner](#) as ★★★★★ and [1 other](#) ... on 2005-10-13 01:57:10



▪ [Finding Out About: A Cognitive Perspective on Search Engine Technology and the WWW \(With CD-ROM\)](#)

by [Belew RK](#)
 posted to [ir](#) by [leidner](#) as ★★★★★ on 2005-07-25 19:58:13



leidner's tags

All tags in leidner's library

Filter:

ai asf bioinf c compilers cs
 epist eval geb geoinf gir gis
 grid hci
 ids-bibliography ie
 ir lbs leidner ml nlp
 nlu ont prg qa semweb tdt
 topres tr

“tag soup”

article details

Overview of MUC-7

Edit details...

Delete this Post...

Authors

- [Chinchor N](#)

Online Article

- URL:
<http://www.itl.nist.gov/iaui/894.02/relat...>

Edit links and DOIs...

Personal PDF
Your own private copy of the PDF

PDF upload

Note: You or your institution must have access rights to this article. CiteULike will not help you view an online article which you aren't authorized to view.

leidner's tags for this article

- [ids-bibliography ie](#)

Update tags

Everyone's tags for this article

- [ids-bibliography ie](#)

My priority to read this article: ✓

- Top priority!
- I really want to read it
- I will read it
- I might read it
- I don't really want to read it
- I've already read it

Who has this article in their libraries?

- [leidner](#)

user-defined tags

reading status

shared with

(3) RefDB

- Multi-user reference management system
 - Open Source, status: 4 – Beta (initial release May 2001)
 - Operating Systems: POSIX OSes; OSX;/Darwin
Windows+Cygwin
 - Implemented in C, some Perl and shell scripts
 - Client/server architecture
 - Good documentation and other support
 - All character encodings supported by your platform
- Underlying format: RIS
 - common data exchange format, originally defined by Research Information System, creators of Reference Manager (c)
 - can be generated and imported by all major reference databases on Windows

RefDB Functionality

- Underlying SQL database
 - powerful search (booleans, reg expressions, on any combination of any fields)
 - tables for journals, authors etc.
 - two types of entries: references and extended notes
- Automatic bibliography creation
- Explicitly supports sharing:
 - user accounts, concurrent access
 - personal vs. full reference lists
 - user-specific vs. generic data
 - personal vs. public extended notes

Personal (User-associated) Information

- Can restrict search to those references or extended notes associated with your username.
- Can also add references from others' personal lists.
- Personal part of reference information (reprint status, availability, notes) is saved for each user individually.

Import & Export in RefDB

- In:
RIS, RISX, Medline (tagged and XML), BibTeX, MARC, and DocBook. More input filters can be created.
- Out:
RIS, RISX, plain text, HTML, BibTeX reference list, DocBook bibliography element (SGML or XML), TEI listBibl element (XML). API provided for creation of more formats.

The RIS Format

- A tagged text file format.
- Fixed set (standard!), but some room for personal use.
- Following kinds of tags exist:
 - Title and Reference Type
 - Authors
 - Year and Free Text Field (personal notes & abstract)
 - Keywords and Reprint Status
 - Periodical Tags
 - Periodical and Publisher Tags
 - Misc. Tags

An Example of a RIS Record

TY - JOUR

SP - 476

A1 - Baldwin,S.A.

EP - 481

A1 - Fugaccia,I.

RP - Not In File

A1 - Brown,D.R.

KW - cortical contusion

A1 - Brown,L.V.

KW - blood-brain barrier

A1 - Scheff,S.W.

KW - horseradish peroxidase

T1 - Blood-brain barrier breach
following

KW - head trauma

cortical contusion in the rat

KW - hippocampus

JO - J.Neurosurg.

KW - rat

Y1 - 1996

N2 - Adult Fisher 344 rats were
subjected to a unilateral [...]

VL - 85

ER -

Extended notes

- 'Extended' as opposed to normal notes fields (N1, AB) in RIS
- An xnote is a text item which can be linked to zero or more references, authors, keywords, journal names or journal abbreviations.
- It can optionally have a title, keywords, and URLs associated with it.
- Can be private or public.

An example

- A private note linked to a reference and an author:

```
<xnote id="1" date="2003-10-12" share=private>
  <content>This article is great!</content>
  <keyword>biochemistry</keyword>
  <keyword>enzymes</keyword>
  <link type="reference"
    target="smith1975metalloporphyrins" />
  <link type="author"
    target="Smith, John" />
</xnote>
```

- The content can be plain text or contain markup.

Bibliography Creation

- Different layout styles exist, more can be created.
- Citation and reference styles are defined in XML.
- For XML/SGML:
 - RefDB can format the document for you, like bibtex/latex does.
- Remember for Latex, we'd export reference list in bibtex format.

Existing RefDB interfaces

- Command line
- Web interface:
very basic, at present incomplete PHP interfaces, work in progress.
- Emacs mode: RIS mode and REFDB mode

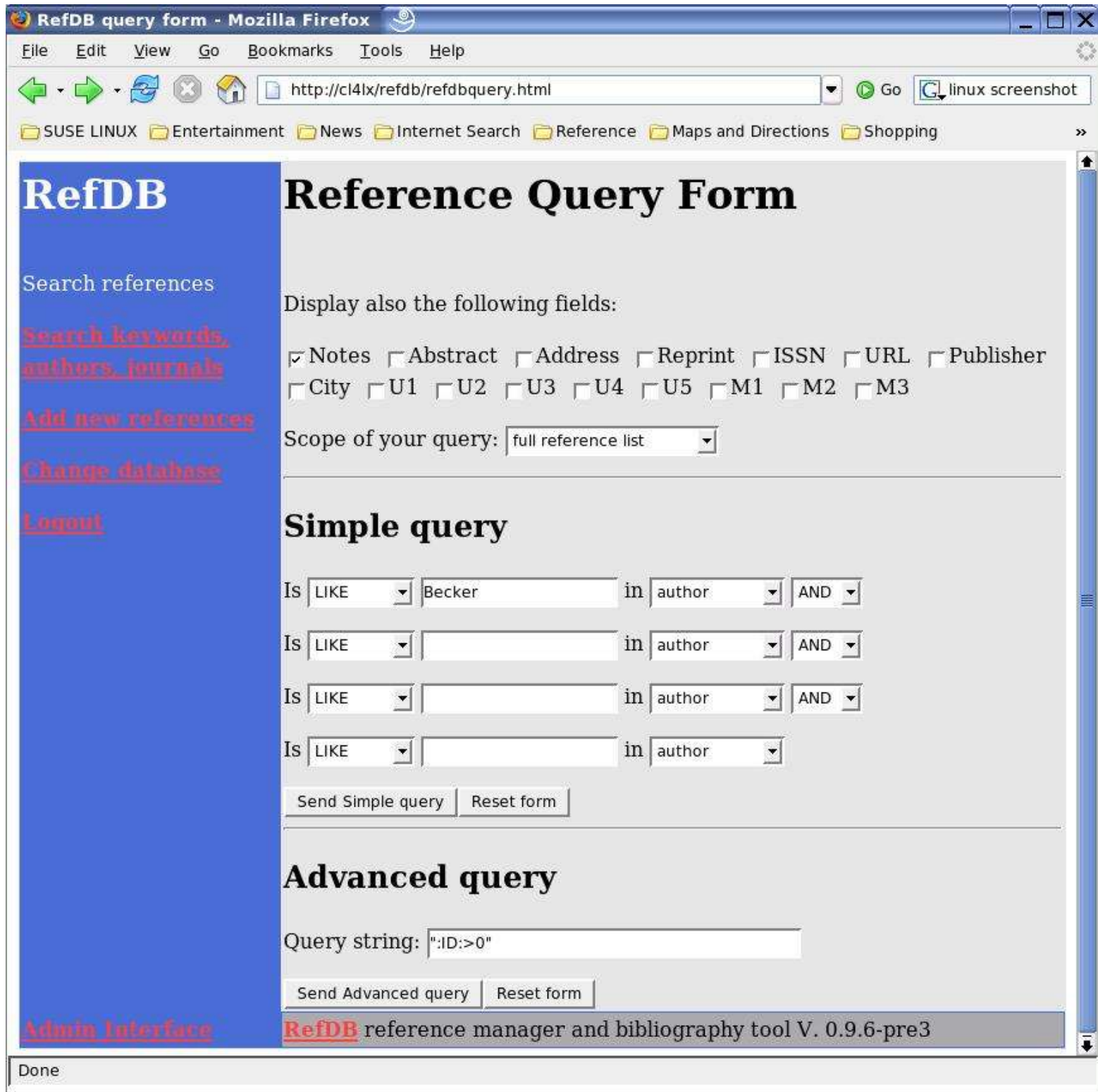
RefDB Command Line Interface

Several clients:

- `refdba` for administrator
- `refdbc` to add, edit, delete, and search reference entries, as well as extended notes. Note that we can only add references from a file, in RIS or RISX format (i.e. no built-in editor):

```
addref -U doe -g .default.ris -E ISO-8859-1  
foo.ris
```

- `refdbib` to create bibliographies
- data format conversion tools



RefDB Web Interface

RefDB query results - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://cl4lx/refdb/refdbsearch.php

SUSE LINUX Entertainment News Internet Search Reference Maps and Directions Shopping

RefDB

Query Results

[Search references](#)
[Search keywords, authors, journals](#)
[Add new references](#)
[Change database](#)
[Logout](#)
[Admin Interface](#)

Matching References

Delete selected references Add selected references to Personal List
Remove selected references from Personal List

Edit

ID*:17 (2001)

Key: Becker2001

Authors: Becker,E.M., Alonso-Alija,C., Apeler,H., Gerzer,R., Minuth,T., Pleibeta,U., Schmidt,P., Schramm,M., Schroder,H., Schroeder,W., Steinke,W., Straub,A., Stasch,J.P.

NO-independent regulatory site of direct sGC stimulators like YC-1 and BAY 41-2272

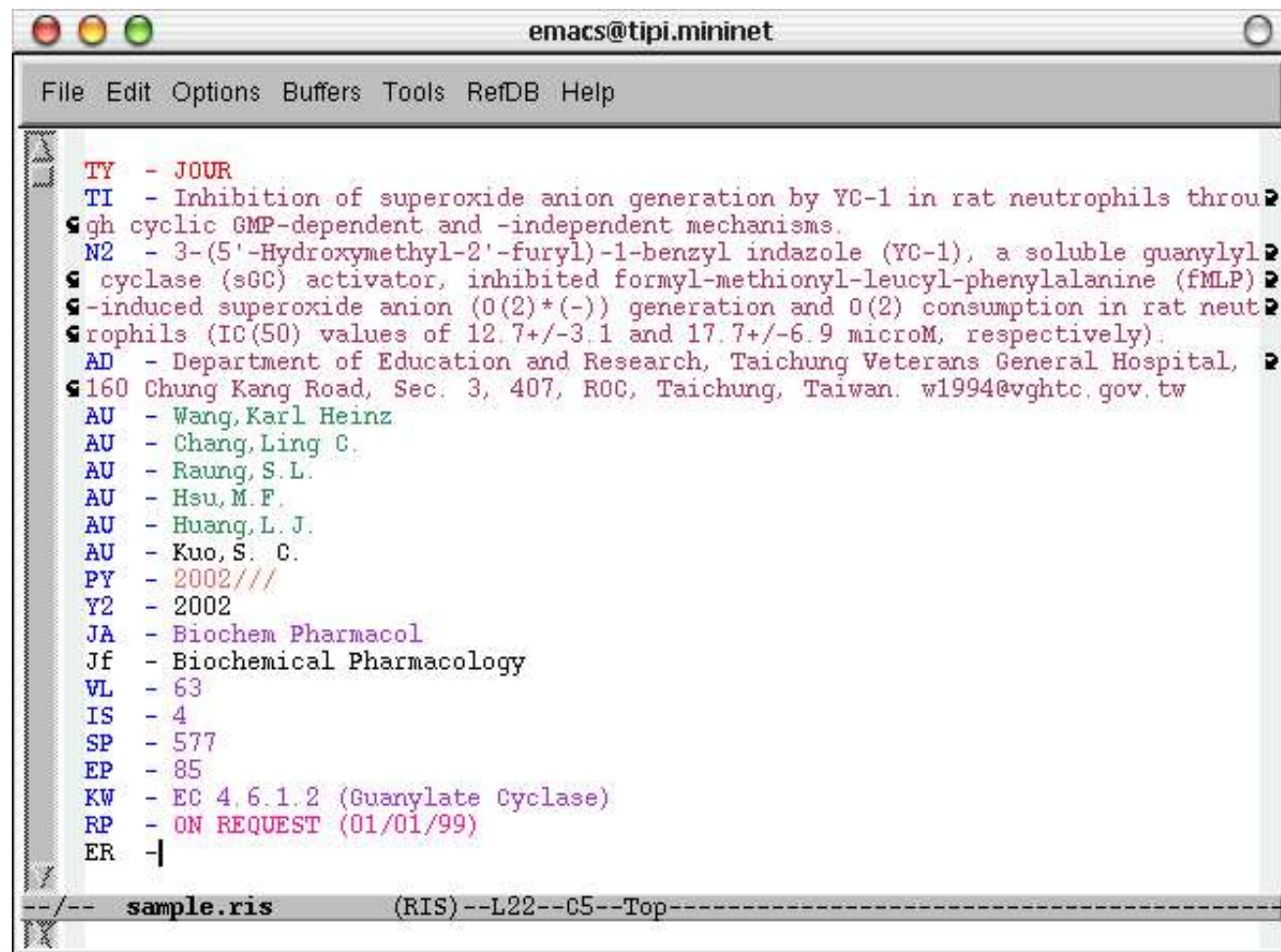
BMC Pharmacol. 1(1)

RefDB reference manager and bibliography tool V. 0.9.6-pre3

Done

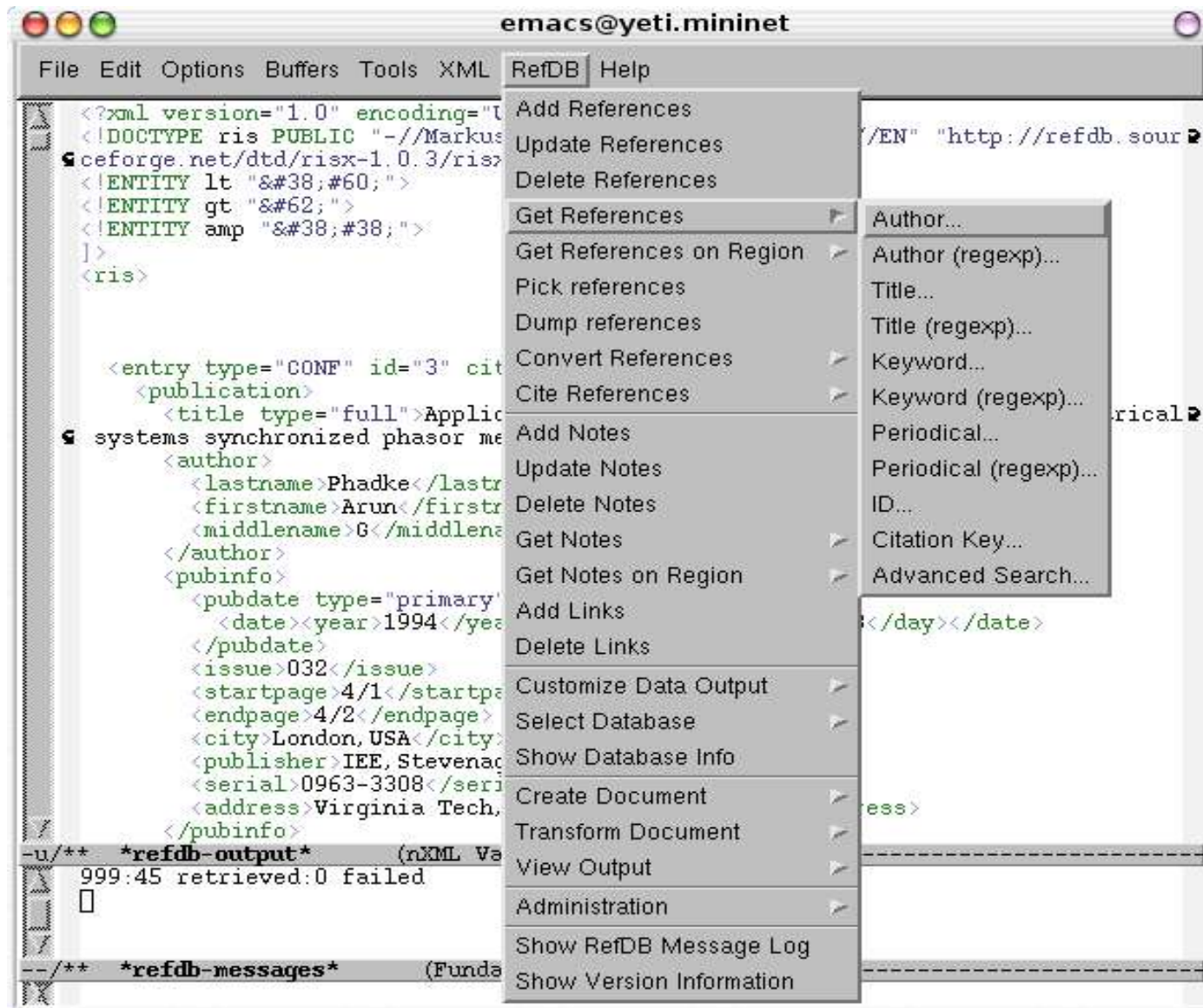
RefDB Emacs Modes: ris-mode

- Colour coding to spot syntax errors, too much data for a field
- Short-cuts:
 - Insert a new reference skeleton,
 - insert a tag,
 - duplicate tag,
 - move between references,
 - narrow buffer to current reference



```
emacs@tipi.mininet
File Edit Options Buffers Tools RefDB Help
TY - JOUR
TI - Inhibition of superoxide anion generation by YC-1 in rat neutrophils through cyclic GMP-dependent and -independent mechanisms.
N2 - 3-(5'-Hydroxymethyl-2'-furyl)-1-benzyl indazole (YC-1), a soluble guanylyl cyclase (sGC) activator, inhibited formyl-methionyl-leucyl-phenylalanine (fMLP)-induced superoxide anion (O(2)*(-)) generation and O(2) consumption in rat neutrophils (IC(50) values of 12.7+/-3.1 and 17.7+/-6.9 microM, respectively).
AD - Department of Education and Research, Taichung Veterans General Hospital, 160 Chung Kang Road, Sec. 3, 407, ROC, Taichung, Taiwan. w1994@vghtc.gov.tw
AU - Wang, Karl Heinz
AU - Chang, Ling C.
AU - Raung, S.L.
AU - Hsu, M.F.
AU - Huang, L. J.
AU - Kuo, S. G.
PY - 2002///
Y2 - 2002
JA - Biochem Pharmacol
Jf - Biochemical Pharmacology
VL - 63
IS - 4
SP - 577
EP - 85
KW - EC 4.6.1.2 (Guanylate Cyclase)
RP - ON REQUEST (01/01/99)
ER - |
--/-- sample.ris (RIS)--L22--C5--Top-----
```

RefDB Emacs Modes: refdb-mode

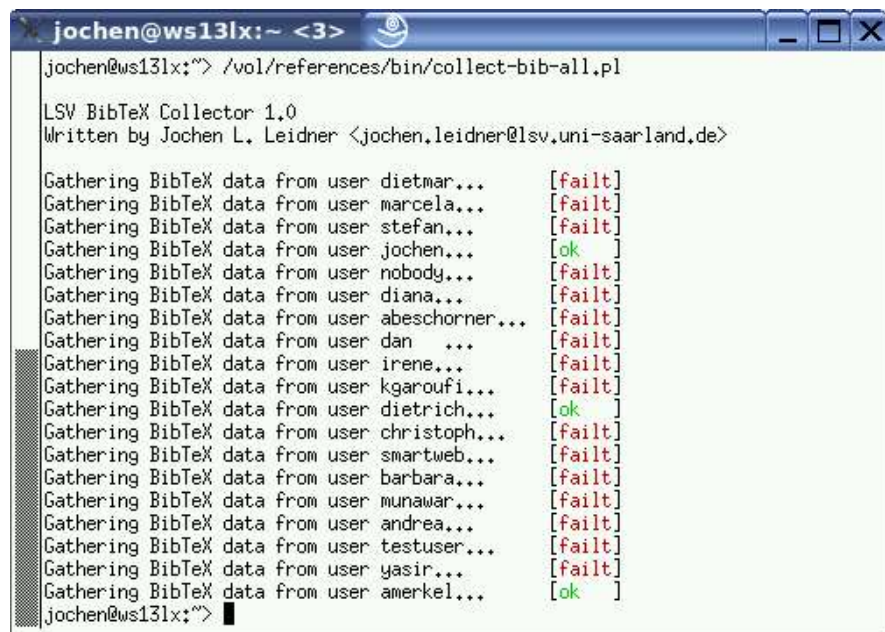


A Quick Overview

- **JabRef**: + fully BibTeX compatible, + Java GUI,
- sharing only possible with restrictions
- **CiteULike**: + web-based, + convenient data entry
from certain sources, - no tight control over data
format (for export)
- **RefDB**: + neutral data format, + adaptable
export/import, + good support for sharing,
- (currently) incomplete GUI but emacs modes,
- more work to setup/maintain.

LSV BibTeX Collector

- Simple, low-maintenance solution to support the sharing of BibTeX entries in a group
- Crawls user directories for references every night
- Uses *Bibclean* to **sort**, **pretty-print** and **merge** entries, eliminating duplicates
- Interoperable with e.g. JabRef
- for UNIX and Linux
- Free

A terminal window titled 'jochen@ws13lx:~ <3>' showing the execution of the script '/vol/references/bin/collect-bib-all.pl'. The output displays the version 'LSV BibTeX Collector 1.0' and the author 'Written by Jochen L. Leidner <jochen.leidner@lsv.uni-saarland.de>'. It then lists the results of gathering BibTeX data from various users, with status indicators in brackets: [fail] for most users and [ok] for 'jochen...' and 'amerkel...'.

```
jochen@ws13lx:~ <3>
jochen@ws13lx:~$ /vol/references/bin/collect-bib-all.pl

LSV BibTeX Collector 1.0
Written by Jochen L. Leidner <jochen.leidner@lsv.uni-saarland.de>

Gathering BibTeX data from user dietmar... [fail]
Gathering BibTeX data from user marcela... [fail]
Gathering BibTeX data from user stefan... [fail]
Gathering BibTeX data from user jochen... [ok]
Gathering BibTeX data from user nobody... [fail]
Gathering BibTeX data from user diana... [fail]
Gathering BibTeX data from user abeschorner... [fail]
Gathering BibTeX data from user dan ... [fail]
Gathering BibTeX data from user irene... [fail]
Gathering BibTeX data from user kgaroufi... [fail]
Gathering BibTeX data from user dietrich... [ok]
Gathering BibTeX data from user christoph... [fail]
Gathering BibTeX data from user smartweb... [fail]
Gathering BibTeX data from user barbara... [fail]
Gathering BibTeX data from user munawar... [fail]
Gathering BibTeX data from user andrea... [fail]
Gathering BibTeX data from user testuser... [fail]
Gathering BibTeX data from user yasir... [fail]
Gathering BibTeX data from user amerkel... [ok]
jochen@ws13lx:~$
```

Take-Home Message

- Reference Management – do it! :-)
- Can use: BibTeX, JabRef, CiteULike, RefDB...
- Many other options, especially if you're a Windows or Mac user
- Sharing references has some advantages
- See References for further information

References

- Overview of reference management software:
<http://bibliographic.openoffice.org/biblio-sw.html>
- BibTeX: many guides and tutorials, e.g.
<http://newton.ex.ac.uk/tex/pack/bibtex/btxdoc/btxdoc.html>
- JabRef: <http://jabref.sourceforge.net/>
- CiteULike: <http://www.citeulike.org/>
- RefDB: <http://refdb.sourceforge.net/>
- RIS format:
http://www.refman.com/support/risformat_intro.asp