

An introduction to *BibTeX* and JabRef

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References

- ▶ <http://www.ecst.csuchico.edu/~jacobsd/bib/formats/bibtex.html>
- ▶ <http://jabref.sourceforge.net>
- ▶ “The not so short introduction to $\text{\LaTeX}2\text{e}$ ” by Tobias Oetiker et. al.

```
Part1~\cite{pa} has  
proposed that \ldots  
\begin{thebibliography}{99}  
\bibitem{pa} H.~Part1:  
\emph{German \TeX},  
TUGboat Volume~9, Issue~1 (1988)  
\end{thebibliography}
```

Part1 [1] has proposed that ...

Bibliography

- [1] H. Part1: *German T_EX*, TUGboat Volume 9, Issue 1 (1988)

Figure: Citation in L^AT_EX

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- ▶ key word
- ▶ standard fields: author, title, year, journal, etc
- ▶ Others: strings, preamble, ...

An example of bibtex item

```
@article{Katz:Zege:esti:1994,  
  author = {Katz, Joanne and Zeger, Scott L.},  
  title = {Estimation of Design Effects in Cluster Surveys},  
  year = {1994},  
  journal = {Annals of Epidemiology},  
  volume = {4},  
  pages = {295–301}  
}
```

Usage of bibtex in tex file

- ▶ `\bibliography{mybibfilename} % .bib file`
`\bibliographystyle{mystylefilename} % .bst file`
- ▶ Compiling procedure:
Latex \rightarrow bibtex \rightarrow latex once (or more) again.
(aux file and bbl file)
- ▶ Different journals have different .bst files.

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- ▶ Get the latest bibtex file from your advisor.
- ▶ StatIndex (www.statindex.org) is your friend.

An item in bbl file

```
\bibitem[\protect\citeauthoryear{Christiansen and Morris}{Christiansen and  
Morris}{1997}]{chri:morr:1997}  
Christiansen, C. and C.~Morris (1997).  
\newblock Improving the statistical approach to health care provider profiling.  
\newblock {\em Annals of Internal Medicine}\~{\em 127}, 764--768.
```


What is JabRef?

- ▶ JabRef is an open source bibliography reference manager.
- ▶ The native file format used by *JabRef* is BibTeX
- ▶ *JabRef* runs across platforms via Java VM

A screenshot of *JabRef*

The screenshot shows the JabRef application window. The main area displays a list of bibliographic entries in a table format. The selected entry (number 19) is expanded to show its full details, including the title, authors, journal information, and an abstract.

#	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 (Artemia 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 Shampine, L. F.	An efficient (R)Junge-(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	boraa598
25	Box, George E. P. and Hunter, William ...	Statistics for experimenters	1978		box78book
26	Brouman, Howard I.	Embryology, ethology and ecology of ontogenetic critical	1980	Environ. Biol.	brouman80

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

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- ▶ Search Medline and Citeseer
- ▶ Literature management
- ▶ ...

Some examples

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More tricks

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Enjoy your study in Hopkins!