

JabRef: $\text{\LaTeX}$ -based literature management software

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Abstract

JabRef is a comprehensive literature management tool built entirely around the $\text{\LaTeX}$ data format. This excerpt focuses on JabRef's support for systematic literature reviews and serves as a manual test fixture for extracting related-work text from PDFs.

1 Introduction

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2 Related Work

Systematic literature reviews (SLRs) are comprehensive examinations of existing research on a particular topic, conducted according to a well-defined and transparent methodology [2]. The most difficult challenge researchers face when conducting an SLR is during the search step [1, 3]. Commonly used e-libraries in the domain of computer science research, such as IEEE, arXiv, and ACM, do not support easy bulk access, which is key to the SLR method [1]. JabRef fills this gap with its special SLR feature [3]. The main concept of the implementation is to a) build on git and $\text{\LaTeX}$ to track the state of papers (excluded, included, ...); and b) transform a generic query syntax to the different query formats of each publisher.

3 Conclusion

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