

# Citations & LaTeX

Adarsh Pyarelal

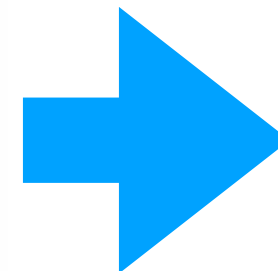
# Directory structure

- NAACL\_2019/
  - main.tex
  - bibliography.bib

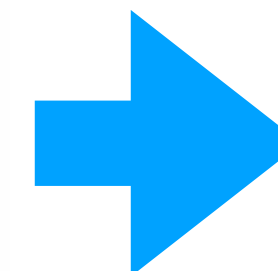
# Collecting references - \*ACL

<http://aclweb.org/anthology/S18-2021>

<http://aclweb.org/anthology/S18-2021.bib>



```
@InProceedings{yadav-sharp-bethard:2018:S18-2,  
  author    = {Yadav, Vikas and Sharp, Rebecca and  
Bethard, Steven},  
  title     = {Deep Affix Features Improve Neural Named Entity  
Recognizers},  
  booktitle = {Proceedings of the Seventh Joint Conference on  
Lexical and Computational Semantics},  
  month     = {June},  
  year      = {2018},  
  address   = {New Orleans, Louisiana},  
  publisher = {Association for Computational Linguistics},  
  pages     = {167--172},  
  abstract  = {We propose a practical model for named entity  
recognition (NER) that combines word and character-level  
information with a specific learned representation of the  
prefixes and suffixes of the word. We apply this approach to  
multilingual and multi-domain NER and show that it achieves  
state of the art results on the CoNLL 2002 Spanish and Dutch  
and CoNLL 2003 German NER datasets, consistently achieving  
1.5-2.3 percent over the state of the art without relying on  
any dictionary features. Additionally, we show improvement on  
SemEval 2013 task 9.1 DrugNER, achieving state of the art  
results on the MedLine dataset and the second best results  
overall (-1.3% from state of the art). We also establish a new  
benchmark on the I2B2 2010 Clinical NER dataset with 84.70 F-  
score.},  
  url       = {http://www.aclweb.org/anthology/S18-2021}  
}
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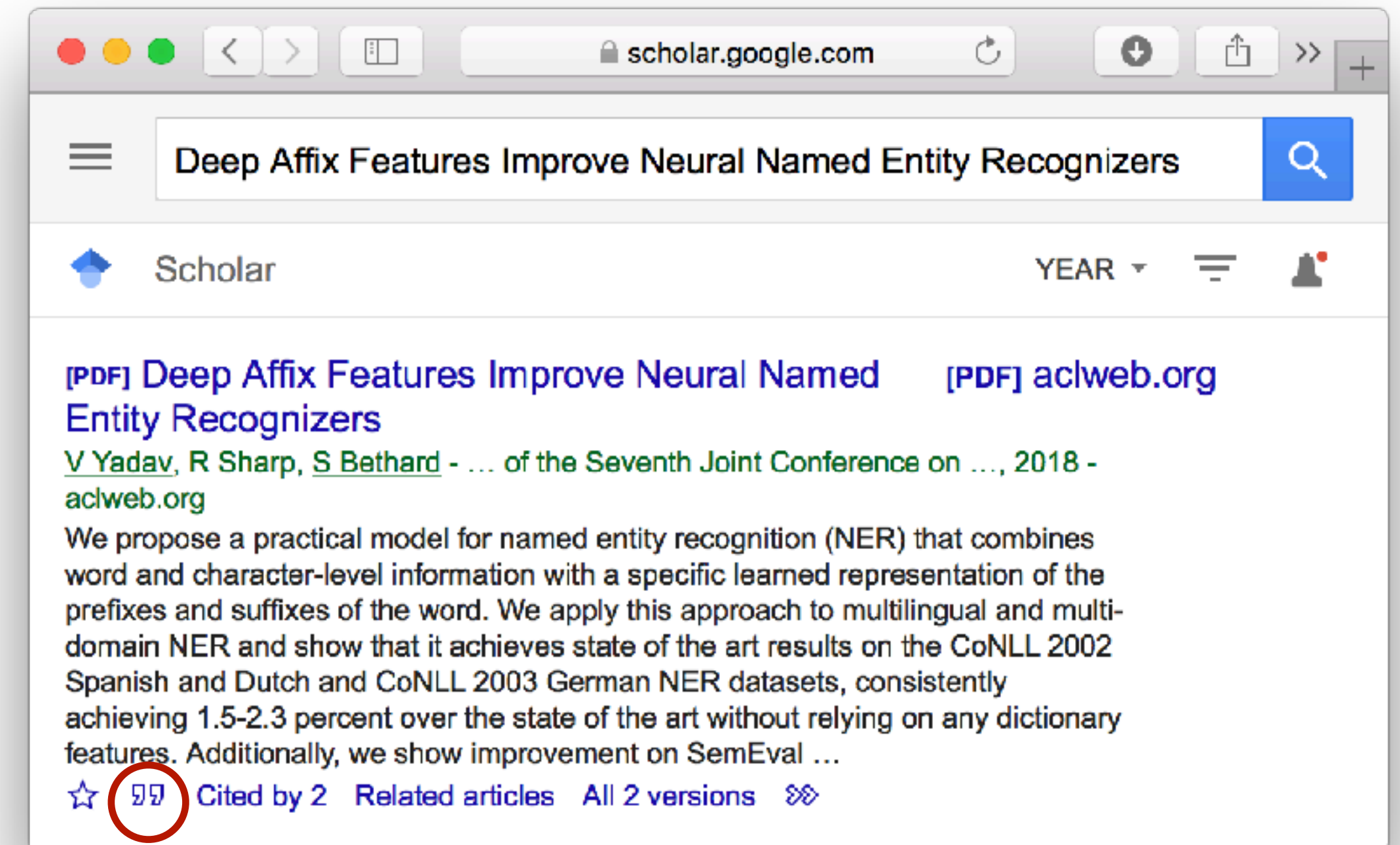
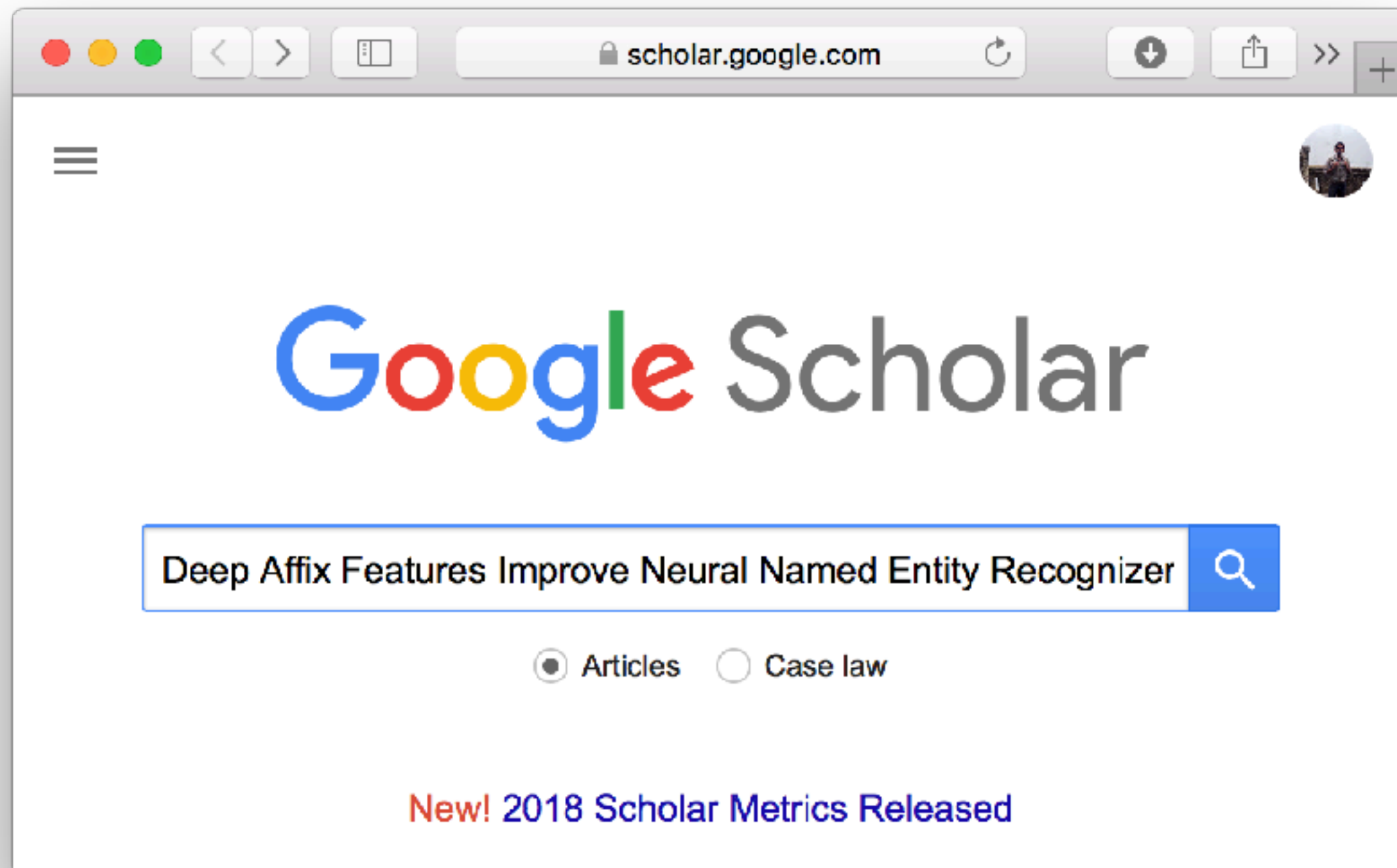


bibliography.bib

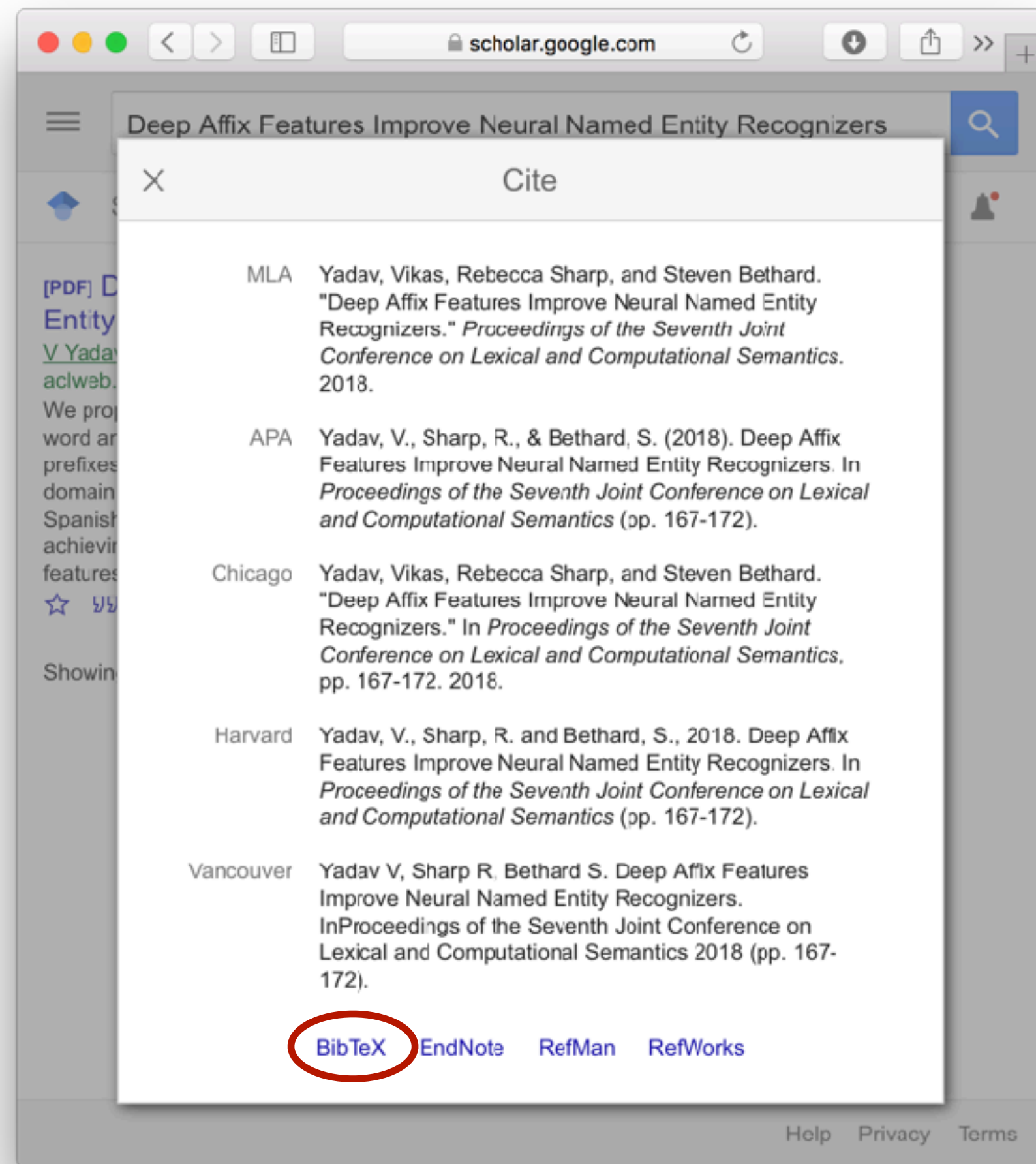




# Collecting references - Other



# Collecting references - Other



A screenshot of a Google Scholar browser window. The main page title is "Deep Affix Features Improve Neural Named Entity Recognizers". A "Cite" dialog box is open, showing citation formats for MLA, APA, Chicago, Harvard, and Vancouver. At the bottom of the dialog, the "BibTeX" option is circled in red, with other options being "EndNote", "RefMan", and "RefWorks".

Deep Affix Features Improve Neural Named Entity Recognizers

Cite

MLA Yadav, Vikas, Rebecca Sharp, and Steven Bethard. "Deep Affix Features Improve Neural Named Entity Recognizers." *Proceedings of the Seventh Joint Conference on Lexical and Computational Semantics*. 2018.

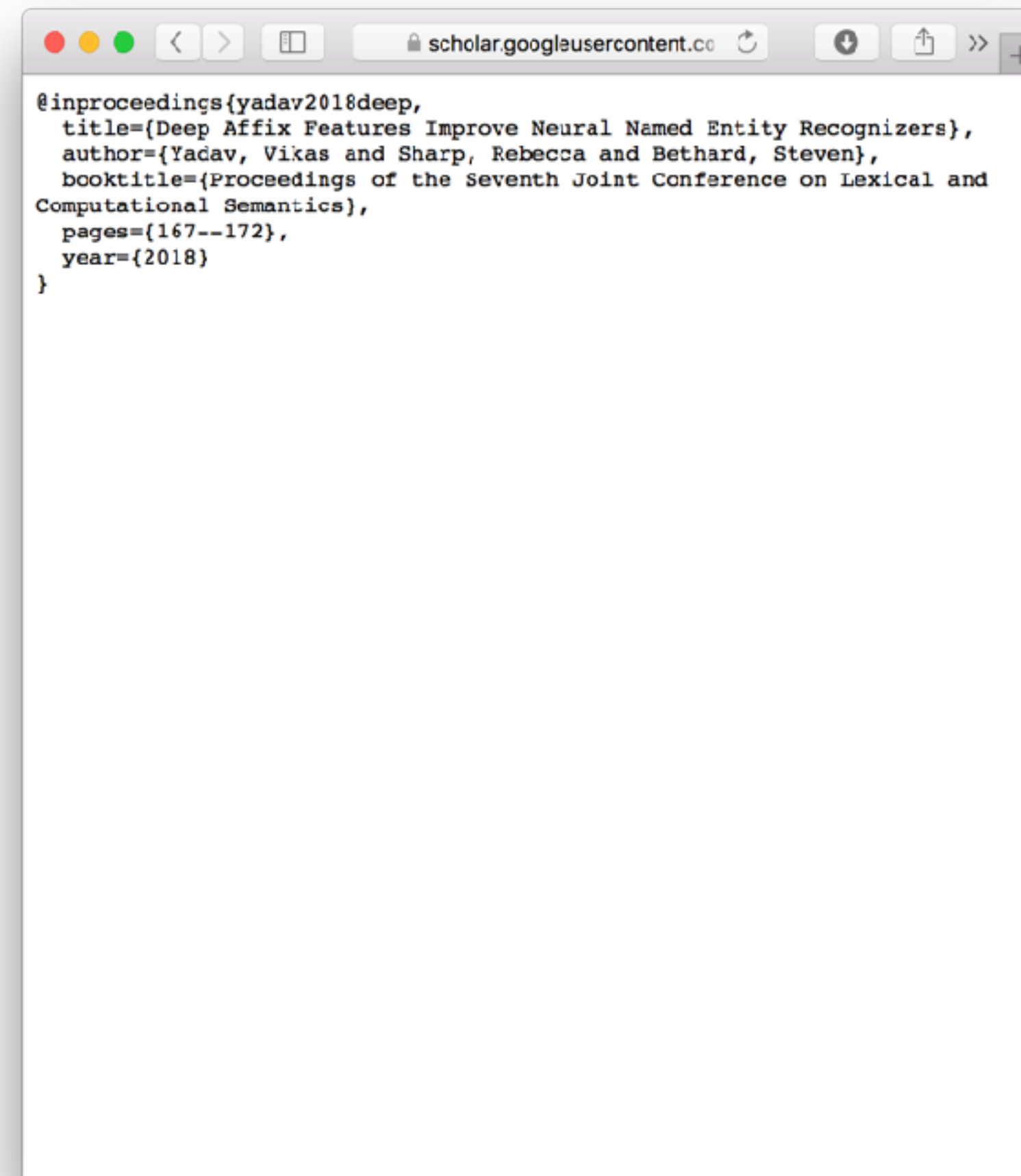
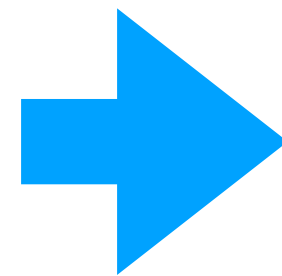
APA Yadav, V., Sharp, R., & Bethard, S. (2018). Deep Affix Features Improve Neural Named Entity Recognizers. In *Proceedings of the Seventh Joint Conference on Lexical and Computational Semantics* (pp. 167-172).

Chicago Yadav, Vikas, Rebecca Sharp, and Steven Bethard. "Deep Affix Features Improve Neural Named Entity Recognizers." In *Proceedings of the Seventh Joint Conference on Lexical and Computational Semantics*, pp. 167-172. 2018.

Harvard Yadav, V., Sharp, R. and Bethard, S., 2018. Deep Affix Features Improve Neural Named Entity Recognizers. In *Proceedings of the Seventh Joint Conference on Lexical and Computational Semantics* (pp. 167-172).

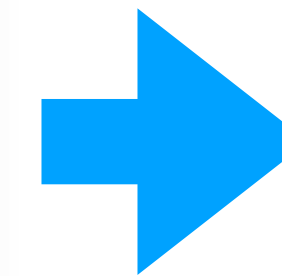
Vancouver Yadav V, Sharp R. Bethard S. Deep Affix Features Improve Neural Named Entity Recognizers. In *Proceedings of the Seventh Joint Conference on Lexical and Computational Semantics* 2018 (pp. 167-172).

**BibTeX** EndNote RefMan RefWorks



A screenshot of a browser window showing BibTeX code for the same paper. The code is as follows:

```
@inproceedings{yadav2018deep,  
  title={Deep Affix Features Improve Neural Named Entity Recognizers},  
  author={Yadav, Vikas and Sharp, Rebecca and Bethard, Steven},  
  booktitle={Proceedings of the Seventh Joint Conference on Lexical and  
Computational Semantics},  
  pages={167--172},  
  year={2018}  
}
```



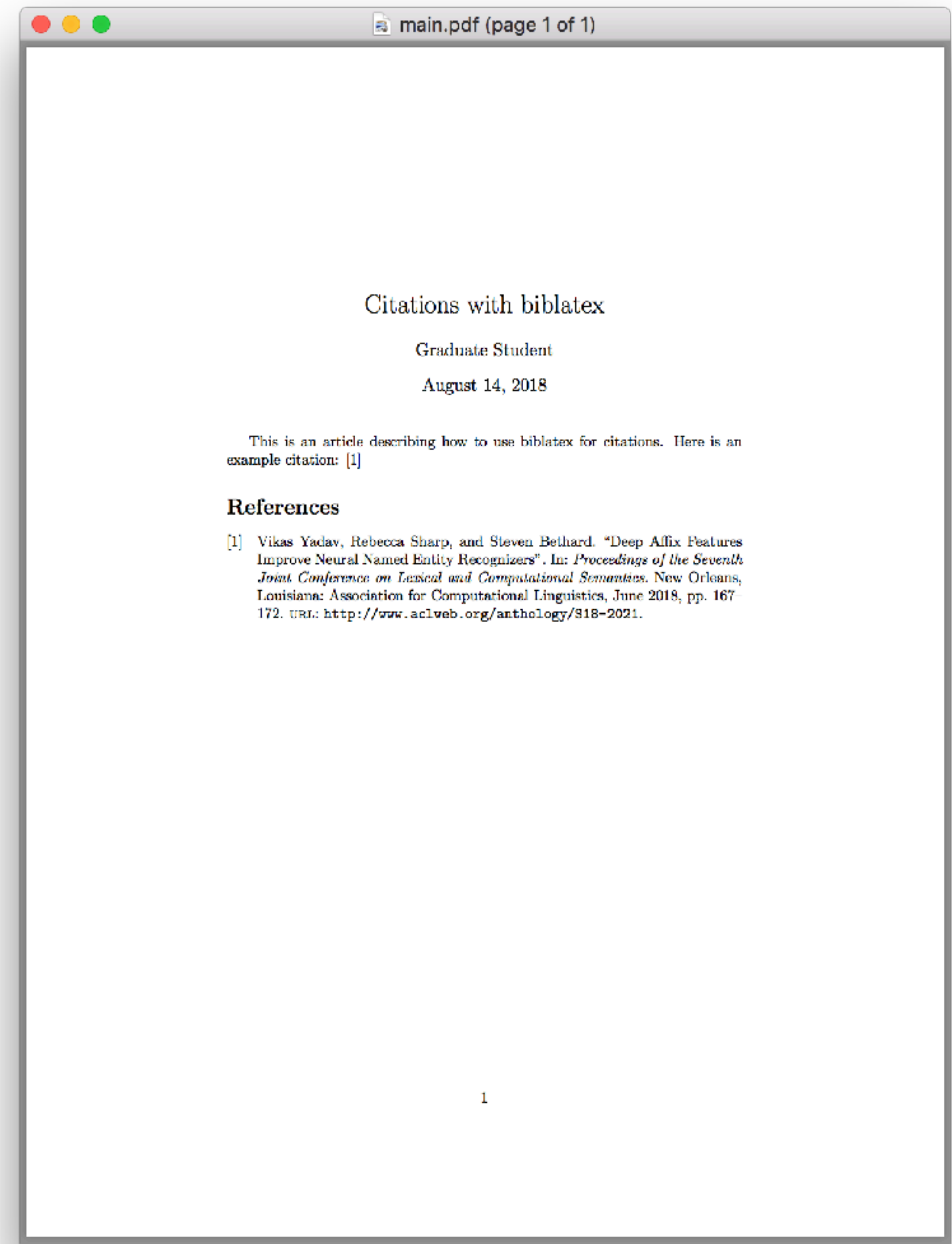
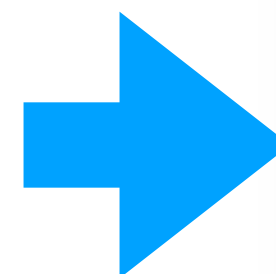
bibliography.bib





```
nvim
main.tex+ ~/m/W/d/c/WorldModelers.tex > ~/m/u/apnotes.cls ...> buffers
1 \documentclass{article}
2
3 \usepackage[backend=biber]{biblatex}
4 \addbibresource{bibliography.bib}
5
6 \title{Citations with biblatex}
7 \author{Graduate Student}
8
9 \begin{document}
10
11 \maketitle
12
13 This is an article describing how to use biblatex for citations.
14 Here is an example citation: \cite{yadav-sharp-bethard:2018:S18-2}
15
16 \printbibliography
17
18 \end{document}

NORMAL main.tex[+] pla... 29 words < 5% 1/18 : 1 [13] tra...
1 @InProceedings{yadav-sharp-bethard:2018:S18-2,
2   author   = {Yadav, Vikas and Sharp, Rebecca and Bethard, Steven},
3   title    = {Deep Affix Features Improve Neural Named Entity Recognizers},
4   booktitle = {Proceedings of the Seventh Joint Conference on Lexical and
5               Computational Semantics},
6   month    = {June},
7   year     = {2018},
8   address  = {New Orleans, Louisiana},
9   publisher = {Association for Computational Linguistics},
10  pages     = {167--172},
11  abstract  = {We propose a practical model for named entity recognition (NER)
12              that combines word and character-level information with a
13              specific learned representation of the prefixes and suffixes of
14              the word. We apply this approach to multilingual and multi-domain
15              NER and show that it achieves state of the art results on the
16              CoNLL 2002 Spanish and Dutch and CoNLL 2003 German NER datasets,
17              consistently achieving 1.5-2.3 percent over the state of the art
18              without relying on any dictionary features. Additionally, we show
19              improvement on SemEval 2013 task 9.1 DrugNER, achieving state of
20              the art results on the MedLine dataset and the second best
21              results overall (-1.3\% from state of the art).
22              We also establish a new benchmark on the I2B2 2010 Clinical NER
23              dataset with 84.70 F-score.},
24   url      = {http://www.aclweb.org/anthology/S18-2021}
25 }
```



Don't forget to escape the % sign!

## Making article titles in the bibliography link to the papers

```
\ExecuteBibliographyOptions{doi=false}  
\newbibmacro{string+doi}[1]{%  
  \iffieldundef{doi}{#1}{\href{http://dx.doi.org/\thefield{doi}}{#1}}}  
\DeclareFieldFormat{title}{\usebibmacro{string+doi}{\mkbibemph{#1}}}  
\DeclareFieldFormat[article]{title}{\usebibmacro{string+doi}{\mkbibquote{#1}}}
```

<https://tex.stackexchange.com/questions/23832/biblatex-make-title-hyperlink-to-doi-url-if-available>

- Bethard et al (2013) if replacing a noun phrase
- (Bethard et al 2013) if at the end of a sentence.
- If using numeric citations - Don't start sentence with number "[1] says this..."
- I usually say something like "The authors of [1]/The study in [1]/The authors of Ref. [1]"



*Customize just about any aspect of citation and bibliography style*

- [3] Felix Kling, Adarsh Pyarelal, and Shufang Su, *Light Charged Higgs Bosons to  $AW/HW$  via Top Decay*, JHEP **11** (2015), p. 051, [arXiv:1504.06624] (cited on pages 19, 62, 63).

```

nvim
~/m/u/apnotes.cls buffers
225
226 % =====
227 % Bibliography management
228 % =====
229
230 \RequirePackage[
231   backend=biber,
232   backref,
233   language=auto,
234   style=numeric-comp,
235   sorting=none,
236   maxbibnames=10,
237   arxiv=pdf,
238   url=false,
239   natbib=true,
240   doi=false
241 ]{biblatex}
242
243 % Set up back references
244 \DefineBibliographyStrings{english}{%
245   backrefpage = {cited on page},% originally "cited on page"
246   backrefpages = {cited on pages},% originally "cited on pages"
247 }
248 \DeclareBibliographyDriver{set}{%
249   \entryset
250   {%
251     $\cdot$\~\setunit*{\addnbspace}}
252   {%
253     \finentry}
254 \DeclareFieldFormat{phdthesis}{title}{\mkbibemph{#1}\isdot}
255 \DeclareFieldFormat{thesis}{title}{\mkbibemph{#1}\isdot}
256 \DeclareFieldFormat{article}{title}{\mkbibemph{#1}\isdot}
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258 \DeclareFieldFormat{article}{volume}{\mkbibbold{#1}\isdot}
259 \DeclareFieldFormat{article}{number}{\mkbibbold{#1}\isdot}
260 \DeclareFieldFormat{report}{number}{\textsc{\MakeTextLowercase{#1}}}
261 \DeclareFieldFormat{eprint:arxiv}{%
262   \ifhyperref
263     {\href{http://arxiv.org/abs@arxivpath/#1}{%
264       \nolinkurl{[arXiv: #1]}}%
265     \iffieldundef{eprintclass}
266     {}
267     {}
268     {\nolinkurl{#1}}
269     \iffieldundef{eprintclass}
270     {}
271     {}
272 \renewcommand{\newunitpunct}{, }
273 \renewcommand{\entrysetpunct}{\}
274 \AtEveryBibitem{%
275   \clearname{note}%
276 }
277 \renewbibmacro{in:}{}
278 \addbibresource{bibliography.bib}

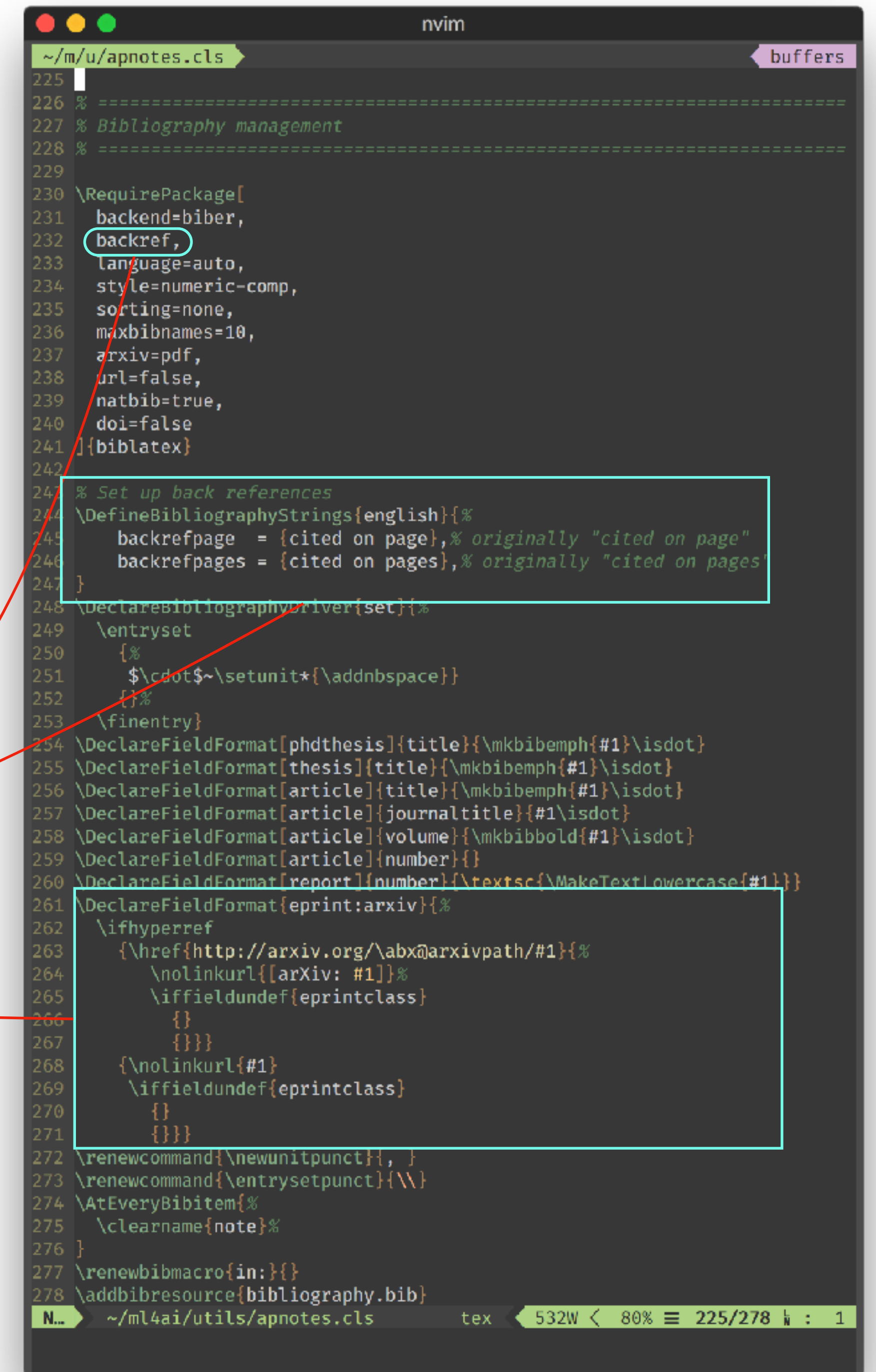
```

Customize just about any aspect of citation and bibliography style

- [3] Felix Kling, Adarsh Pyarelal, and Shufang Su, *Light Charged Higgs Bosons to AW/HW via Top Decay*, JHEP **11** (2015), p. 051, [arXiv:1504.06624] (cited on pages 19, 62, 63).

E-prints, etc.

Back references



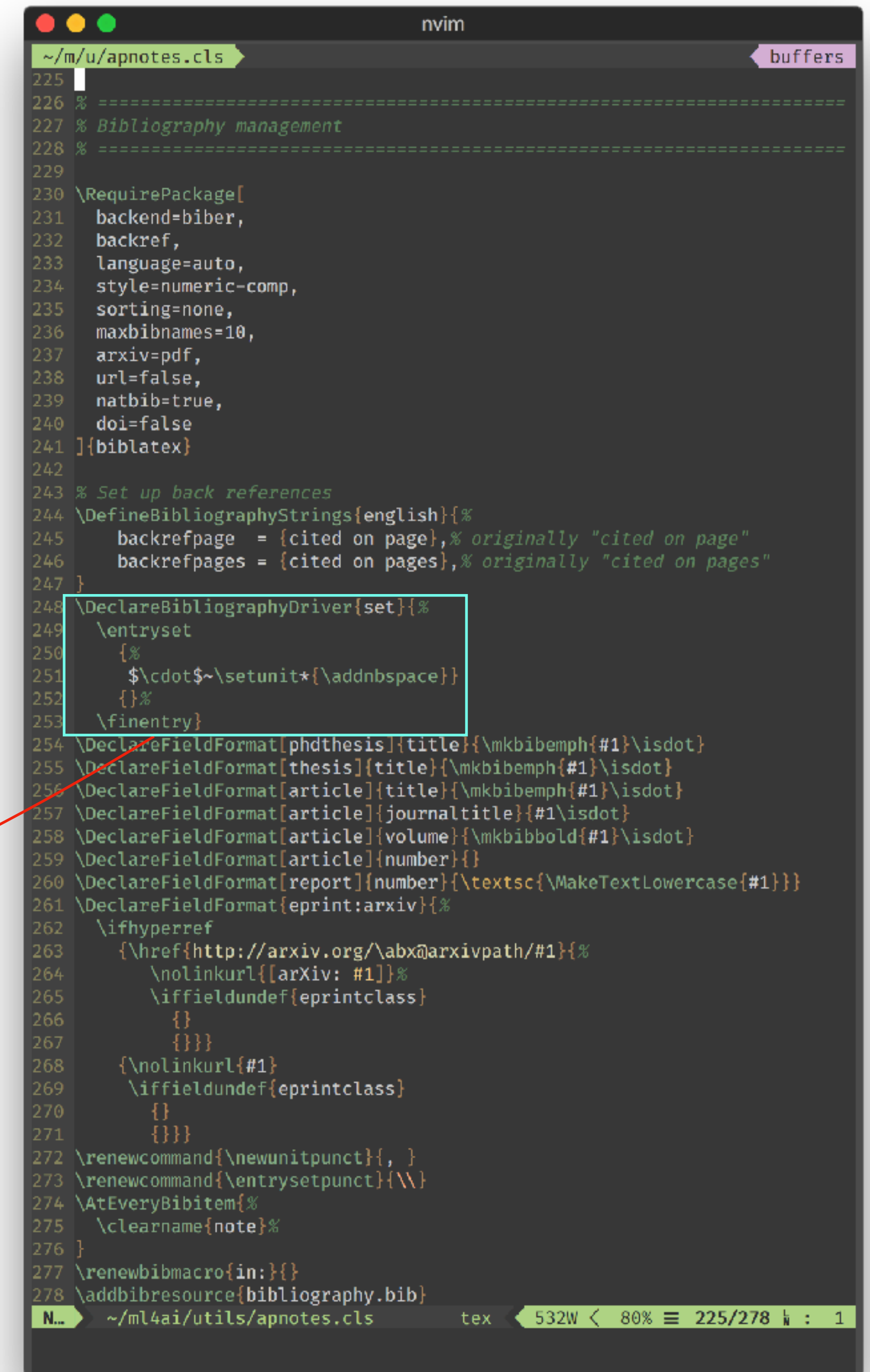
```
~/m/u/apnotes.cls buffers
225
226 % =====
227 % Bibliography management
228 % =====
229
230 \RequirePackage[
231   backend=biber,
232   backref,
233   language=auto,
234   style=numeric-comp,
235   sorting=none,
236   maxbibnames=10,
237   arxiv=pdf,
238   url=false,
239   natbib=true,
240   doi=false
241 ]{biblatex}
242
243 % Set up back references
244 \DefineBibliographyStrings{english}{%
245   backrefpage = {cited on page},% originally "cited on page"
246   backrefpages = {cited on pages},% originally "cited on pages"
247 }
248 \DeclareBibliographyDriver{set}{%
249   \entryset
250   {%
251     $\cdot$\setunit*{\addnbspace}}
252   {}%
253   \finentry}
254 \DeclareFieldFormat{phdthesis}{title}{\mkbibemph{#1}\isdot}
255 \DeclareFieldFormat{thesis}{title}{\mkbibemph{#1}\isdot}
256 \DeclareFieldFormat{article}{title}{\mkbibemph{#1}\isdot}
257 \DeclareFieldFormat{article}{journaltitle}{#1\isdot}
258 \DeclareFieldFormat{article}{volume}{\mkbibbold{#1}\isdot}
259 \DeclareFieldFormat{article}{number}{}
260 \DeclareFieldFormat{report}{number}{\textsc{\MakeTextLowercase{#1}}}
261 \DeclareFieldFormat{eprint:arxiv}{%
262   \ifhyperref
263     {\href{http://arxiv.org/abx@arxivpath/#1}}{%
264       \nolinkurl{[arXiv: #1]}%
265       \iffieldundef{eprintclass}
266         {}
267       {}}}}
268   {\nolinkurl{#1}
269     \iffieldundef{eprintclass}
270       {}
271     {}}}}
272 \renewcommand{\newunitpunct}{, }
273 \renewcommand{\entrysetpunct}{\}
274 \AtEveryBibitem{%
275   \clearname{note}%
276 }
277 \renewbibmacro{in:}{}
278 \addbibresource{bibliography.bib}
N... ~/ml4ai/utls/apnotes.cls tex 532W < 80% 225/278 1
```



Customize just about any aspect of citation and bibliography style

- [24] · S. Agostinelli et al., *GEANT4: A Simulation Toolkit*, Nucl. Instrum. Meth. **A506**. (2003), pp. 250–303
- John Allison et al., *Geant4 developments and applications*, IEEE Trans. Nucl. Sci. **53** (2006), p. 270
- J. Allison et al., *Recent developments in GEANT4*, Nucl. Instrum. Meth. **A835** (2016), pp. 186–225.

Entry sets



```
nvim
~/m/u/apnotes.cls buffers
225
226 % =====
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228 % =====
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230 \RequirePackage[
231   backend=biber,
232   backref,
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235   sorting=none,
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237   arxiv=pdf,
238   url=false,
239   natbib=true,
240   doi=false
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242
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245   backrefpage = {cited on page},% originally "cited on page"
246   backrefpages = {cited on pages},% originally "cited on pages"
247 }
248 \DeclareBibliographyDriver{set}{%
249   \entryset
250   {%
251     $\cdot$\setunit*{\addnbspace}}
252   {%
253     \finentry}
254 \DeclareFieldFormat{phdthesis}{title}{\mkbibemph{#1}\isdot}
255 \DeclareFieldFormat{thesis}{title}{\mkbibemph{#1}\isdot}
256 \DeclareFieldFormat{article}{title}{\mkbibemph{#1}\isdot}
257 \DeclareFieldFormat{article}{journaltitle}{#1\isdot}
258 \DeclareFieldFormat{article}{volume}{\mkbibbold{#1}\isdot}
259 \DeclareFieldFormat{article}{number}{}
260 \DeclareFieldFormat{report}{number}{\textsc{\MakeTextLowercase{#1}}}
261 \DeclareFieldFormat{eprint:arxiv}{%
262   \ifhyperref
263     {\href{http://arxiv.org/abs\arxivpath/#1}}{%
264       \nolinkurl{[arXiv: #1]}}%
265   \iffieldundef{eprintclass}
266     {}
267     {}
268   {\nolinkurl{#1}
269     \iffieldundef{eprintclass}
270       {}
271       {}
272 \renewcommand{\newunitpunct}{, }
273 \renewcommand{\entrysetpunct}{\\}
274 \AtEveryBibitem{%
275   \clearname{note}%
276 }
277 \renewbibmacro{in:}{}
278 \addbibresource{bibliography.bib}
N... ~/ml4ai/utls/apnotes.cls tex 532W < 80% 225/278 1
```

Templates, etc...

<https://github.com/adarshp/LaTeX-Resources>  
<http://adarsh.cc/notes/latex.html>