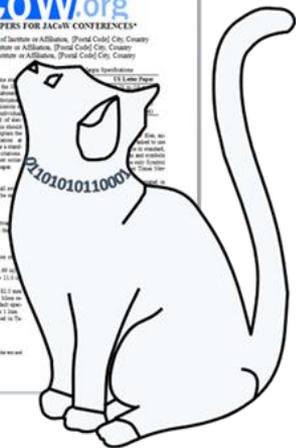


JACoW CatScan Editor Ref Search

<https://scan.jacow.org>

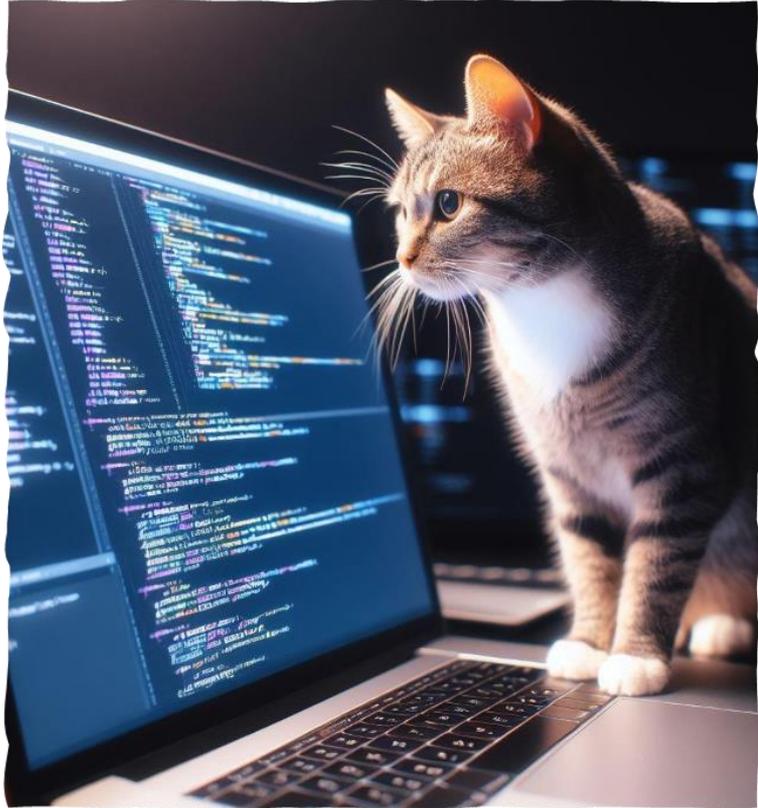
<https://refs.jacow.org>



JACoW TM 2025



Why CatScan?



- Best effort editor, it's not purrrfect can have false positives, but can be a powerful alliance of authors and editors
- Authors become editors for standard detectable errors, and learn from the feedback
- Consistent review which doesn't get tired and start overlooking errors or focused on one type
- Give editors back more time to focus on other aspects of proceedings production, or reduce need for as many editors for conferences

Changes for IPAC'25



- Creation of some initial LaTeX checks
- AI Summary of LaTeX results
- Formatting of LaTeX results on scan.jacow.org\
- Automatic results (as comments) for IPAC'25 and NaPAC'25
- Introduce new pagesize word template format check

Work Required (Litter of Kittens)

- Automation of CatScan availability for all future conferences
- Introduction of new latex checks
Missing figures, table not referenced, etc...
- Removal of “Warnings” on word checks unsure about issues

Sponsors and contributors are welcomed :)

Projects of
deliverables or Litter
of Kittens



Plugging CatScan into Indico



Word:

At 278 Word contributions in Indico.

110 (42%) have subsequent uploads with improvements by authors.

In total, authors addressed **4,636** identified by CatScan

LaTeX:

At 419 LaTeX (non BibTex) contributions in Indico.

163 (38%) have subsequent uploads with improvements by authors.

In total, authors addressed **1,053** identified by CatScan

Word Check



1. Notified By Indico of a new upload

2. Reads document

1. Produces detailed report

1. Posted comment on paper with a link to the report (new)



CatScan JACoW left a comment · 4 June 2025 22:49

CatScan has been checked for common formatting problems.

[See CatScan Report](#)

Please attempt to resolve any errors that were found.

You can re-check your paper using [CatScan](#) before re-submitting.



Cat Scan

Validator

Resources

Report for WEC1C1.docx

[Cat Scan Word Validator - Help and Usage Guidelines](#)

Score

Overall

100% Ok

▼ Show all scores

✖ Errors

✖ Paragraphs

► Rules for Paragraphs

▼ Style Breakdown for Paragraphs

Text	Text Style Name	Alignment	First Line_
			inde
The High Intensity Proton Accelerator (HIPA) at PSI delivers a continuous proton beam of up to 2.4 mA with a maximum energy of 590 MeV to two meson production targets, M and E, on to the SINQ sp	Body Text Indent	JUSTIFY	9.35
on years of operating experience with graphite cavity, improvements to the have been considered, including beam position pickups, implementing calibration methods, an	Body Text Indent	JUSTIFY	9.35
A can generate up to 1.4 MW proton beam [1]. After the main on extraction, the beam is transported n a 60 m long beam line with two graphite target stations, TM and TE f	Body Text Indent	JUSTIFY	9.35
A proton beam current monitor, called MHC5,	Body Text	JUSTIFY	9.35

LaTeX Check (new)



1. Notified by Indico of a new upload
1. Reads document
1. Checks for common issues
(common issue codes on the right)
1. Produces detailed report
1. AI used to summarise report as a comment
2. Posted comment on paper
(or displays on website)

1	DOI_CONTAINS_SPACE	217
2	DOI_ENDS_IN_PARENTHESES	3
3	DOI_ENDS_IN_PERIOD	175
4	DOI_IS_URL	358
5	DOI_NOT_FOUND	32
6	DOI_NOT_WRAPPED	573
7	ET_AL_NOT_WRAPPED	900
8	ET_AL_WITH_COMMA	550
9	INCORRECT_STYLE_REFERENCE	428
10	NO_DOI_PREFIX	36
11	VOLUME_ISSUE	6

Example issue detection summary from initial paper submissions for IPAC'25

M

#4 Michael Mayerhofer has submitted files · 28 May 2025 03:08

Hide

BibTeX file (only for LaTeX papers)

No files uploaded.

PDF

[THPB052.pdf](#)

Source Files

[THPB052.tex](#)

Supporting files for papers

[THPB052_f4.png](#)
[THPB052_f3.png](#)
[THPB052_f1.png](#)
[THPB052_f2.png](#)

Download ZIP



CatScan JACoW left a comment · 28 May 2025 03:09

CatScan detected the following issues in your references:

Two references, nassiri_cavity_construction and smimov2023cost, have issues with their DOIs. Both DOIs contain a space after the colon and are not wrapped in the `\ur1{}` command.

Re-check your paper @ [CatScan](#) | [Citation Guidelines](#) | [Reference Search](#)

M

#5 Michael Mayerhofer has submitted files · 28 May 2025 03:10

Hide

BibTeX file (only for LaTeX papers)

No files uploaded.

PDF

[THPB052.pdf](#)

Source Files

[THPB052.tex](#)

Supporting files for papers

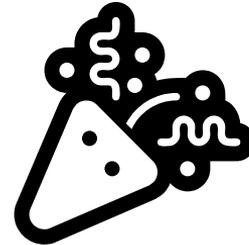
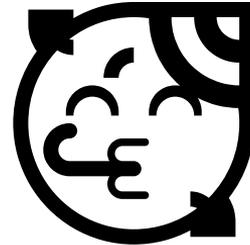
[THPB052_f4.png](#)
[THPB052_f3.png](#)
[THPB052_f1.png](#)
[THPB052_f2.png](#)

Download ZIP

We achieved the dream from 2019!

On upload CatScan performs the check and provides feedback in a comment

Author's can address issues themselves!



Reference Search

<https://refs.jacow.org/>

References Search & Generation Tool

Ronny Billen



Volker Schaa



Todd Satogata



Jan Chrin



Ivan Andrian



David Button(CAS)



Josh Peters (IDS)



What is it?

Widely used free web application for **authors** and **editors**

Outputs **LaTeX** / **BibTeX** and **Word** references in the **JACoW** format

Search index of all published and unpublished **JACoW** papers (~76,000)

Indexes for **unpublished** papers including for the **current conference**

Now also searches external papers

<https://refs.jacow.org/>

Reference Search

JACoW

Search

Authors

Conferences

★ Favourites

Login

Register

Search References

Search Terms (e.g. Author, Paper Title, Conference)

Mass Spectrometry France

Format type

BibItem

Search

Results



```
%\cite{Hotchkis:ECRIS10-TUCOCK04}
\bibitem{Hotchkis:ECRIS10-TUCOCK04}
M. A. C. Hotchkis and D. Button,
\textquotedblleft{Mass Spectrometry with an ECR Ion Source}\textquotedblright,
in \emph{Proc. ECRIS'10}, Grenoble, France, Aug. 2010, paper TUCOCK04, pp. 109--110.
```



```
%\cite{Kutschera:EPAC00-WEYF101}
\bibitem{Kutschera:EPAC00-WEYF101}
W. Kutschera,
\textquotedblleft{Accelerator Mass Spectrometry at VERA}\textquotedblright,
in \emph{Proc. EPAC'00}, Vienna, Austria, Jun. 2000, paper WEYF101, pp. 245--252.
```



```
%\cite{Beckert:EPAC98-WEOA02A}
\bibitem{Beckert:EPAC98-WEOA02A}
K. Beckert \emph{et al.},
```

What's New?

Creation of public search API

Improvements to external search (journal lookup, and doi search)

Introduction of hyperlinks to DOIs for latex (using `\doi` command) and word

Conference status on list page

CatScan integration - Reference cross-checking

What's Next?

Automatic Conference Population - During and Post Conference

BibTeX Database

Integration with Single-Sign On from Indico