# CiteAs [1] alpha

http://citeas.org/

# Bridging the gap in software citation.

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## Motivation

- Software citation credits scientific software developers and improves research reproducibility
- Software citation implementation is faced with challenges
- **We specifically tackle one challenge: the gap in citation practices between software authors and end-users**

## End-users:

- Diverse ways to mention software in research papers: refer to software publication, code repository, project webpage, user manual, or documentation, etc.

**End-users rarely cite software in the way that developers request.**

## Developers:

- Diverse ways to request citation: structured software metadata (e.g., Codemeta, CITATION.cff), language-specific software metadata (e.g., R CITATION, R DESCRIPTION), generic citation metadata (e.g., DOI, BibTex), natural language citation text

## Our solution: CiteAs.org

- CiteAs.org is a search engine that informs users the "developer-preferred" way to cite software.
- With a given search query, CiteAs.org identifies and crawls locations potentially containing software metadata, including software package platforms, (e.g., PyPI, CRAN, Bioconductor, etc.), development platforms (e.g., GitHub, Bitbucket), project or documentation pages.
- CiteAs.org collects citation-needed information such as software or publication title, author, and publication date from retrieved metadata or by parsing out web page content.
- This approach prioritizes machine-readable citation request since it will facilitate the progress on the development of a system of software citation at scale.

SCAN ME

**Give CiteAs.org an easy try.**

## Welcome feedback. https://github.com/ourresearch/citeas-api

- CiteAs.org can inform you a variety of approaches to improve the findability of your software work
- We are working on enhancing the feature of citation recommendation: Let us know if CiteAs.org fails your software
- We are curious to know more about how you request citation, and how CiteAs.org can be of better help

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