

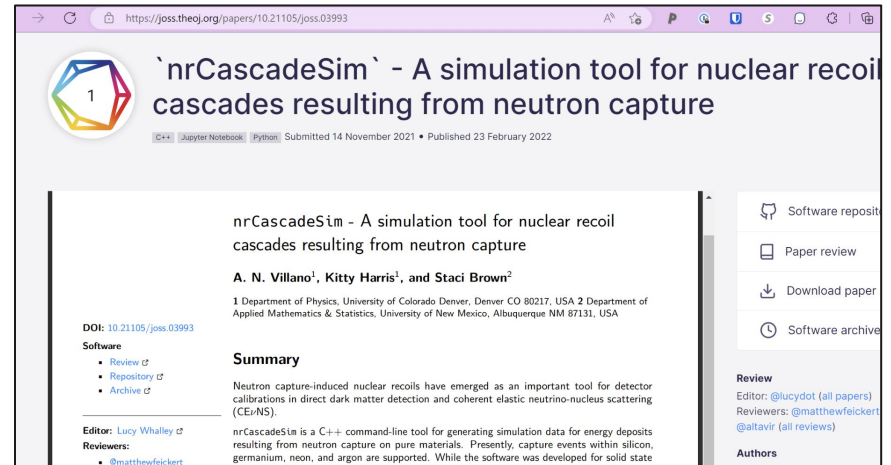


# Peer-reviewed publication credit for software

With the Journal for Open Source Software (JOSS)

# What does a JOSS paper look like?

- A paper from a dark matter collaborator:  
<https://joss.theoj.org/papers/10.21105/joss.03993>
  - An exciting example because in dark matter our software is often in private repositories.
- Look at all the JOSS papers at <https://joss.theoj.org/papers>



The screenshot shows a web browser displaying a JOSS paper. The URL in the address bar is <https://joss.theoj.org/papers/10.21105/joss.03993>. The paper title is "`nrCascadeSim` - A simulation tool for nuclear recoil cascades resulting from neutron capture". The authors listed are A. N. Villano<sup>1</sup>, Kitty Harris<sup>1</sup>, and Staci Brown<sup>2</sup>. The affiliations are: <sup>1</sup> Department of Physics, University of Colorado Denver, Denver CO 80217, USA and <sup>2</sup> Department of Applied Mathematics & Statistics, University of New Mexico, Albuquerque NM 87131, USA. The paper was submitted on 14 November 2021 and published on 23 February 2022. The DOI is 10.21105/joss.03993. The paper is categorized as Software. The summary states: "Neutron capture-induced nuclear recoils have emerged as an important tool for detector calibrations in direct dark matter detection and coherent elastic neutrino-nucleus scattering (CEvNS). nrCascadeSim is a C++ command-line tool for generating simulation data for energy deposits resulting from neutron capture on pure materials. Presently, capture events within silicon, germanium, neon, and argon are supported. While the software was developed for solid state". The page also includes links for "Software repository", "Paper review", "Download paper", and "Software archive". The editor is Lucy Whalley and the reviewer is @matthewfeickert.



## JOSS papers are ...

- Open-access
- The papers are **short** and **accompany a repository of the software**
- The software has to **meet best-practice standards** like build instructions, basic tests, and user documentation. The full list of requirements is at [https://joss.readthedocs.io/en/latest/review\\_checklist.html](https://joss.readthedocs.io/en/latest/review_checklist.html)
- About software that represents approximately a year of effort



# The review process

1. Once JOSS editors have verified that your paper is within scope for the journal, **the goal is to publish it**
2. You will be assigned an editor, who will find reviewers
3. Each **reviewer goes through a checklist** to make sure your build instructions, test cases, examples, etc. run as described. Full checklist:  
[https://joss.readthedocs.io/en/latest/review\\_checklist.html](https://joss.readthedocs.io/en/latest/review_checklist.html)
4. The review is a **collaborative process** that takes place on GitHub issues - you and the reviewers work until your software and paper meet the minimum guidelines
5. At which point your paper is published!



## Ways to get involved

- We always **need more reviewers!** You can sign up at [Sign up to be a JOSS reviewer](#).
- We'll have a **call for editors** soon! Contact [the JOSS editor](#) in your subject area if you'd like to apply. You can also get announcements on twitter, @JOSS\_TheOJ
- **Submit software for publication** with JOSS!
  - Is your software in scope? You can check: [Submitting a paper to JOSS - Scope](#)
  - Details about JOSS submissions are at [Submitting a paper to JOSS](#)
- Do you have software that is **educational**? Consider JOSE! <https://jose.theoj.org/>