

Peer Community In... A free recommendation process of preprints based on peer reviews

Christian Mougin, Wilfried Sanchez, Pierre Labadie, Denis Bourguet, Benoit Facon, Thomas Guillemaud, Marjolaine Hamelin

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Submitted on 1 Apr 2023

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

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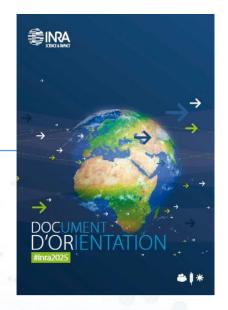






Open Science

• 2016 INRA: #OpenScience-4 - De nouveaux modes de diffusion de la connaissance



- Adapter le modèle éditorial et économique des revues académiques dont l'Inra est propriétaire aux principes d'une science ouverte
- Explorer et encourager des modèles alternatifs de publication
- Envisager la sortie du système des abonnements aux revues à l'horizon 2020
- Aujourd'hui : soutien de la DiPSO



Scientific Publication

- too long
- not transparent
- too expensive

€10 Billion / 3 millions articles = €3000 / article extraordinary profit margin (30-40% for the 5 big publishers)

vicious

turnover positively linked to the number of accepted articles

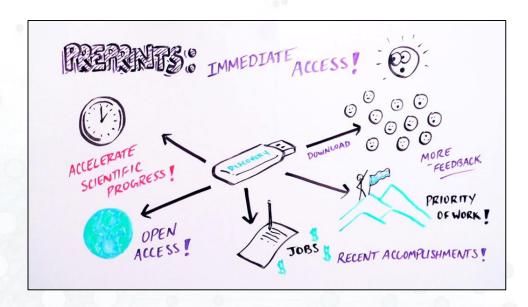
https://peercommunityin.org, @PeerCommunityIn



Preprints: the solution?

Preprints are good...

- Low cost
- Free for authors and readers
- Available immediately
- Archive
- Proof of anteriority
- Searchable/Findable



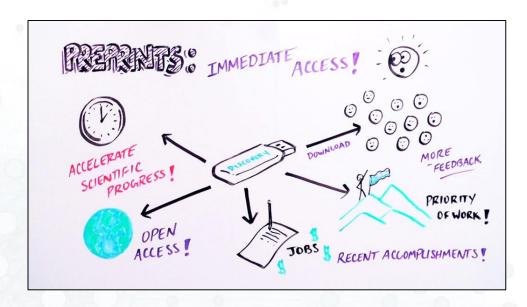
But putative quality problem...

- No formal evaluation no peer-review
- Everything can be found in open archives including preprints of very bad quality



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We therefore need preprint evaluation



The Peer Community In... initiative

The aim of PCI

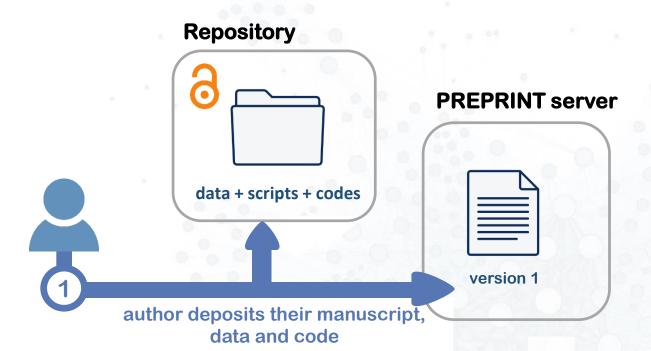
Communities of researchers handling the evaluation of (through peer review) and recommending preprints in their scientific field.

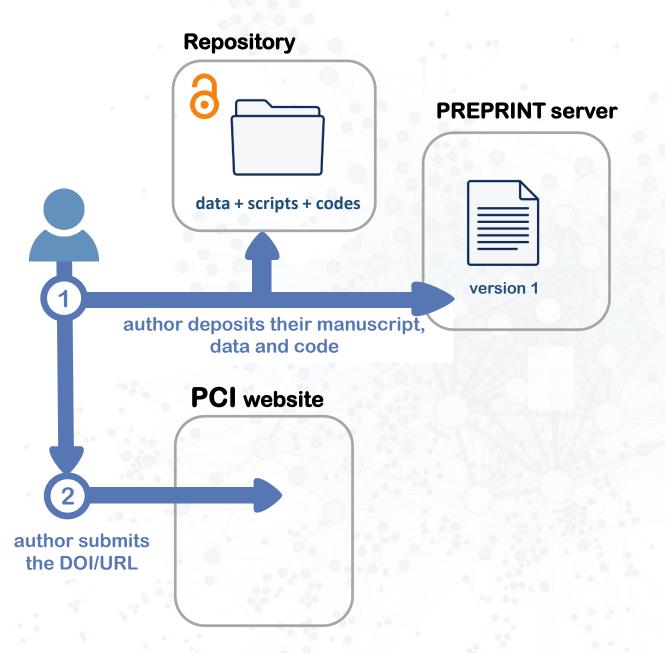


PCI Ecology
PCI Evolutionary Biology
PCI Genomics
PCI EcotoxEnvChem
etc..

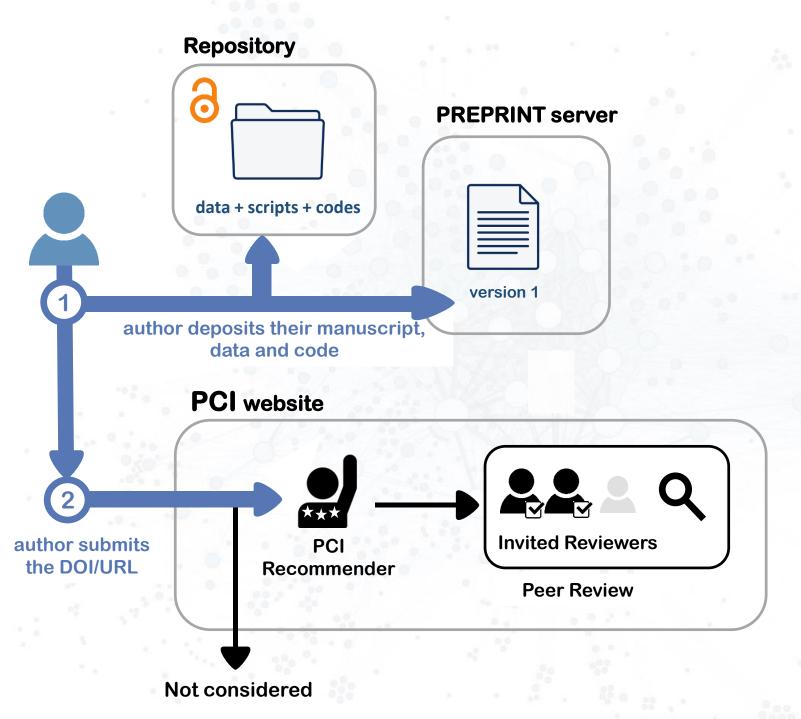


How does it work?

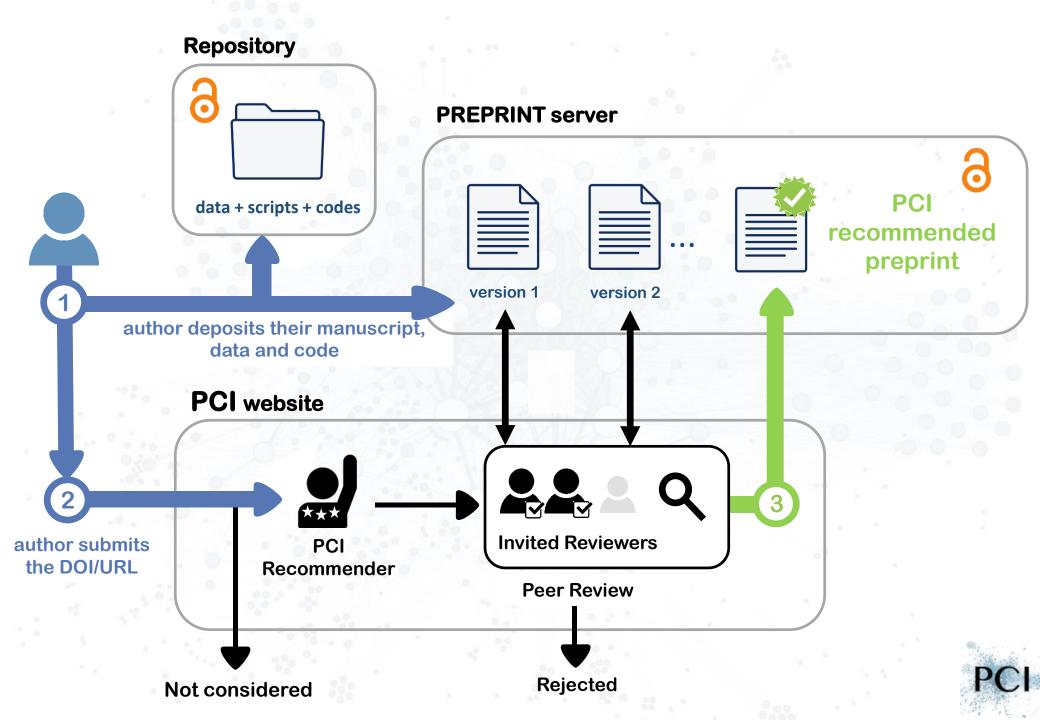


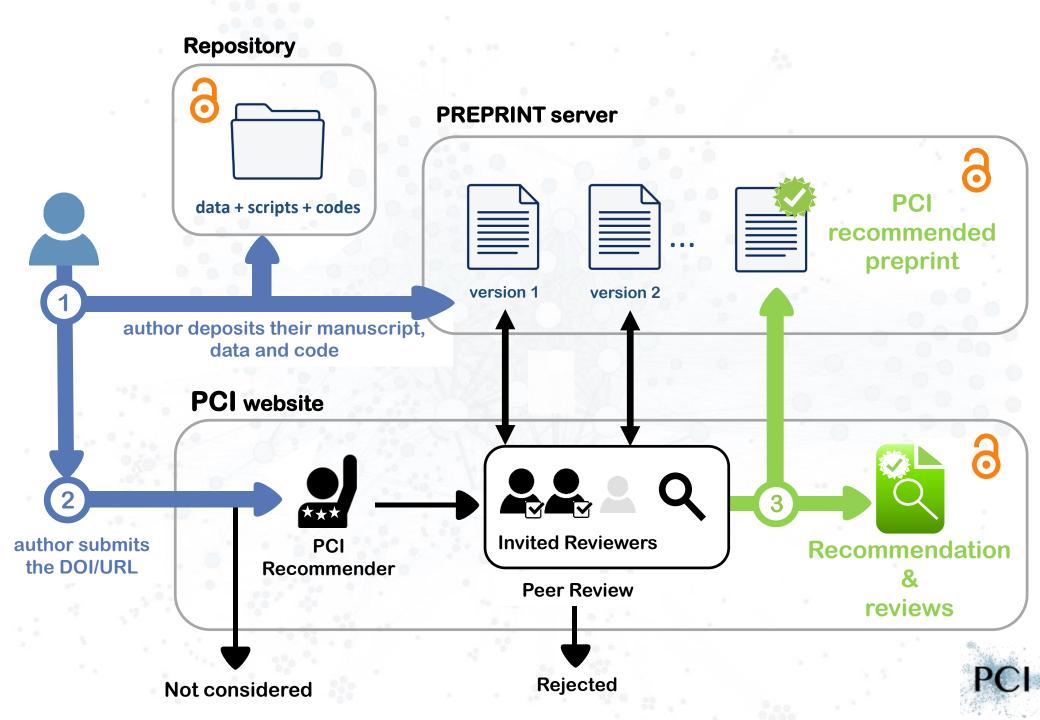












Preprint





bioRxiv posts many COVID19-related papers. A reminder: they have not been formally peer-reviewed and should not guide health-related behavior or be reported in the press as conclusive.

New Results

Follow this preprint

Machine learning models based on molecular descriptors to predict human and environmental toxicological factors in continental freshwater

® Rémi Servien, ® Eric Latrille, ® Dominique Patureau, ® Arnaud Hélias doi: https://doi.org/10.1101/2021.07.20.453034

Now published in Peer Community Journal doi: 10.24072/pcjournal.90



Abstract

Full Tex

Info/Histo

Metrics

Preview PDF

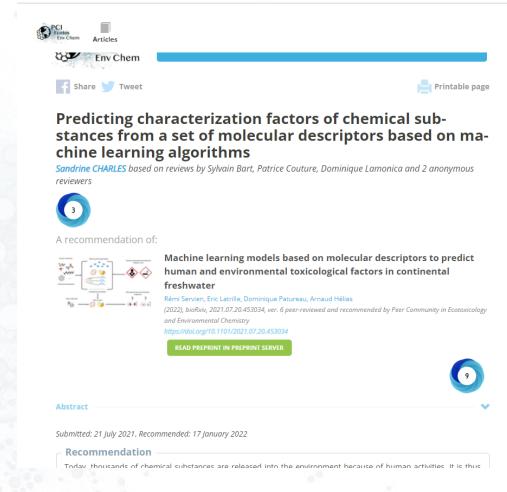
ABSTRACT

It is a real challenge for life cycle assessment practitioners to identify all relevant substances contributing to the ecotoxicity. Once this identification has been made, the lack of corresponding ecotoxicity factors can make the results partial and difficult to interpret. So, it is a real and important challenge to provide ecotoxicity factors for a wide range of compounds. Nevertheless, obtaining such factors using experiments is





Recommendation text









Preprint





bioRxiv posts many COVID19-related papers. A reminder: they have not been formally peer-reviewed and should not guide health-related behavior or be reported in the press as conclusive.

New Results

A Follow this preprint

Machine learning models based on molecular descriptors to predict human and environmental toxicological factors in continental freshwater

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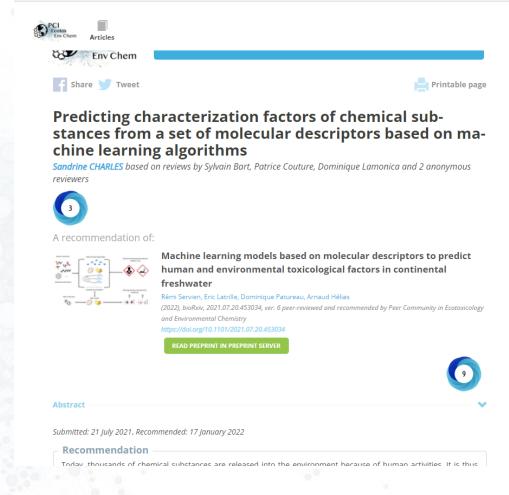
Abstract

Preview PDF

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It is a real challenge for life cycle assessment practitioners to identify all relevant substances contributing to the ecotoxicity. Once this identification has been made, the lack of corresponding ecotoxicity factors can make the results partial and difficult to interpret. So, it is a real and important challenge to provide ecotoxicity factors for a wide range of compounds. Nevertheless, obtaining such factors using experiments is

Recommendation text













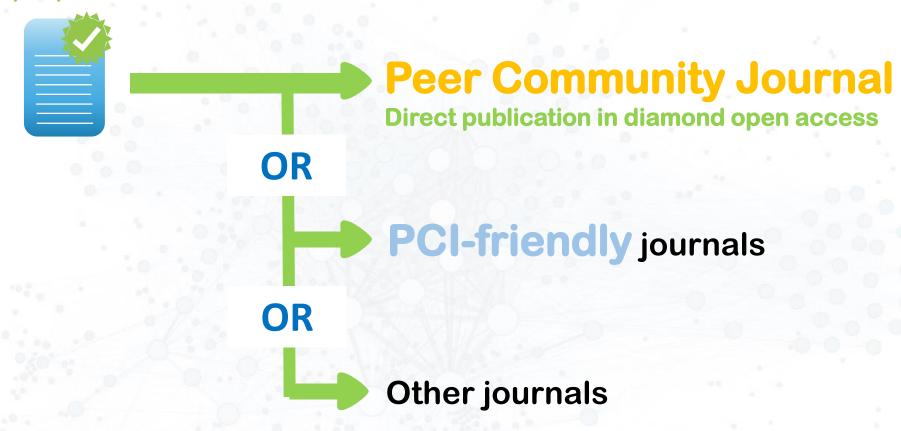
Final, valid, findable and citable article



Publication of PCI-recommended preprints



PCI-recommended preprint

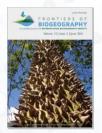




PCI-friendly journals

3 categories

1. Accept without further reviews



. . .

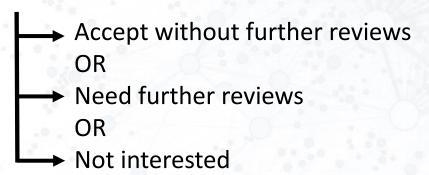


PCI-friendly journals

3 categories

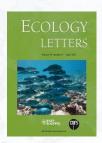
1. Accept without further reviews

2. Fast response (≤ 5 days) to presubmission enquiry





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PCI-friendly journals

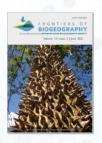
3 categories

1. Accept without further reviews

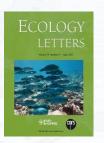
2. Fast response (≤ 5 days) to presubmission enquiry

→ Accept without further reviews
 OR
 → Need further reviews
 OR
 → Not interested

3. May use the evaluations of PCI if adequate



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- Accepts as is all articles recommended by a PCI
- Free for readers (Open Access)
- Free for authors (no APC)
- 80 PCI recommended articles will be published in the weeks following the launch of the journal

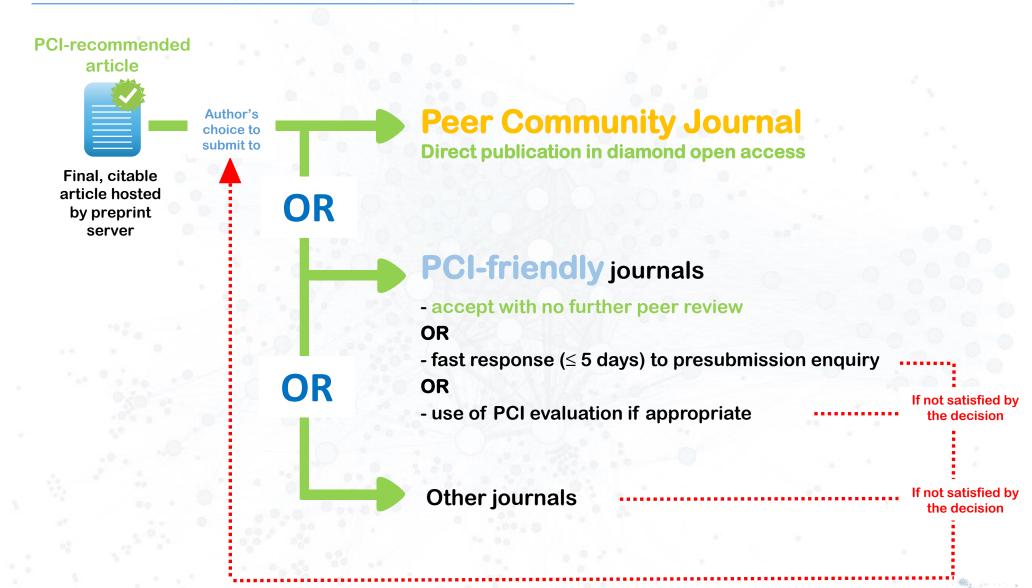


Peer Community Journal

- Peer Community Journal https://peercommunityjournal.org
- 93 articles were already published on Peer Community Journal
- Peer Community Journal has an ISSN (2804-3871) and is now indexed in DOAJ (https://www.doaj.org/toc/2804-387) and in Google scholar. It is currently under evaluation for indexation in Web of Science, CABI; EBSCO, Norwegian register and Sherpa/Romeo. Between 1 and 2 years of anteriority are required by some databases such as Medline/PubMed and Scopus
- Peer Community Journal is indexed in the Journal Checker Tool of CoalS and is planS-compliant



In summary



Authors of PCI-recommended preprints

- ... can know within a few days if one or more PCI-friendly journals
 - are interested
 - will request or not further peer-review

 ... get 100% chance to publish rapidly in an indexed and free open access journal (Peer Community Journal)



PCI in figures & Current PCIs

PCI in figures





Current PCIs

2017

PCI Evolutionary Biology

2018

PCI Ecology
PCI Paleontology

2019

PCI Animal Science PCI Zoology

2020

PCI Mathematical and Computational Biology

PCI Forest and Wood Science

PCI Network Science

PCI Genomics

PCI Archaeology

PCI Circuit Neuroscience

2021

PCI Registered Reports
PCI Ecotoxicology and Environmental
Chemistry
PCI Infections

2022

PCI Microbiology?

...



Supports awards and recognition



Institutions and universities



















MAX-PLANCK INSTITUTE FOR EVOLUTIONARY BIOLOGY

































Université de Guyane















Max Planck Institute for Evolutionary Anthropology



Societies and doctoral schools









ABIES, Structure et Dynamique des Systèmes Vivants...



Grants, awards and projects

PCI is one of the winners of the first call for projects of the French National Open Science Fund (2020)



2020 LIBER Award for Library Innovation



Pilote project in « Notify » with COAR, Harvard Library, Los Alamos Lab, HAL, etc...





Peer Community in Ecotoxicology and Environmental Chemistry





Launched in 2021 by:

Christian Mougin

Wilfried Sanchez

Pierre Labadie



- Scope: interfaces of environmental chemistry, ecology and environmental toxicology
- Currently 22 recommenders and ≈ 150 reviewers





Our supports









- Our website https://ecotoxenvchem.peercommunityin.org/
- Our contact
 contact@ecotoxenvchem.peercommunityin.org





 Current discussions for partnership with PCIfriendly journals: SPRINGER NATURE

- Also seeking for:
 - -New submissions of preprints
 - -Additional recommenders



How to participate?



- Submit your articles to a PCI
- Spread the word



- Submit your articles to a PCI
- Spread the word
- Give us contacts to obtain supports or recognition



- Submit your articles to a PCI
- Spread the word
- Give us contacts to obtain supports or recognition
- Think about founding a new PCI



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- Register to the PCIs' websites (to be reviewer)





- Submit your articles to a PCI
- Spread the word
- Give us contacts to obtain supports or recognition
- Think about founding a new PCI
- Register to the PCIs' websites (to be reviewer)
- Consider becoming a recommender



Thanks!





https://peercommunityin.org

