

# Housekeeping rules



The event will be **recorded** 



Participants' microphones are off

If you want to participate:



Use Chat to introduce yourself, to interact with participants and write questions to the speakers, or the Q&A document that we'll provide



Raise hand to speak



Presentations and recording will be shared with you be e-mail

### **Support and Training activities in OpenAIRE NEXUS**

### **Support**

Provide usage, technical, and legal support related to OpenAIRE-Nexus services

- Upgrade and combine the existing support material offered by the current services.
- Manage and update helpdesk service and materials (FAQs, guides, ticketing).
- Integrate the ticketing system with the federated helpdesk Framework provided by EOSC CORE.

### **Training**

Organize, promote and support training targeting the use of OpenAIRE-Nexus services

- Webinars and face-to-face training events.
- Training activity will be coordinated with the OpenAIRE NOADs network (AMKE SC).
- Connected and complemented with OpenAIRE training (e-learning) platform.
- Materials and courses available in the EOSC training catalogue (EOSC CORE).

Tech Clinics for OpenAIRE

AMKE members every

two months





# OpenAIRE portfolio services/products

#### **PUBLISH**

#### **ZENODO**

- Alex Ioannidis, Jose Benito Gonzalez Lopez (CERN)

#### **EpiSciences**

- Raphael Tournoy (CNRS)

#### **Amnesia**

- Manolis Terrovitis (Athena RC)

#### **ARGOS**

- Elli Papadopoulou, Georgios Kakaletris (Athena RC)

#### **MONITOR**

#### **MONITOR**

- Ioanna Grypari, Harrys Dimitropoulos (Athena RC)

#### **OpenCitations**

- Silvio Peroni (UNIBO)

#### ScholExplorer

- Sandro La Bruzzo (CNR-ISTI)

#### **UsageCounts**

- Dimitris Pierrakos (Athena RC)

#### **OpenAPC**

- Andreas Czerniak, Jochen Schirrwagen (Univ. of Bielefeld)

#### **Open Science Observatory**

- Ioanna Grypari, Natalia Manola (Athena RC)

#### **DISCOVER**

#### **PROVIDE**

- Pedro Principe (Univ. of Minho)

#### **EXPLORE**

- Katerina latropoulou (Athena RC)

#### CONNECT

- Alessia Bardi (CNR-ISTI)







### **NEW SERVICES INTEGRATED IN OPENAIRE INFRASTRUTURE**







Silvio Peroni (UNIBO)



# **PUBLISH PORTFOLIO**



Raphaël Tournoy <a href="CCSD/CNRS">CCSD/CNRS</a>



# What is Episciences? www.episciences.org

- Platform for publishing OA scientific journals
  - Any disciplines
  - New or flipping journals
- Scientific communities can create and operate highquality OA journals
- Diamond Open Access publishing





### **Episciences for the scientific communities**

- Tools to save time for readers, researchers and editorial teams
- End-to-end compatible with FAIR principles
- Operated by researchers and their scientific communities
- Cost efficient, independant from the publishers
- Hosted in Europe on public infrastructure



# An overlay (epi) journal model

 Operating on top of OA repositories e.g. <u>HAL</u>, <u>arXiv</u>, <u>CWI</u>, <u>Zenodo</u>, ...

Peer-review preprints (single-blind review)

- All versions are always available on
  - During the whole publication process
  - If the journals disappears or moves
  - Follow the scientific discourse

```
English [edit]
```

Etymology [edit]

From Ancient Greek ἐπί (epí, "on top of").

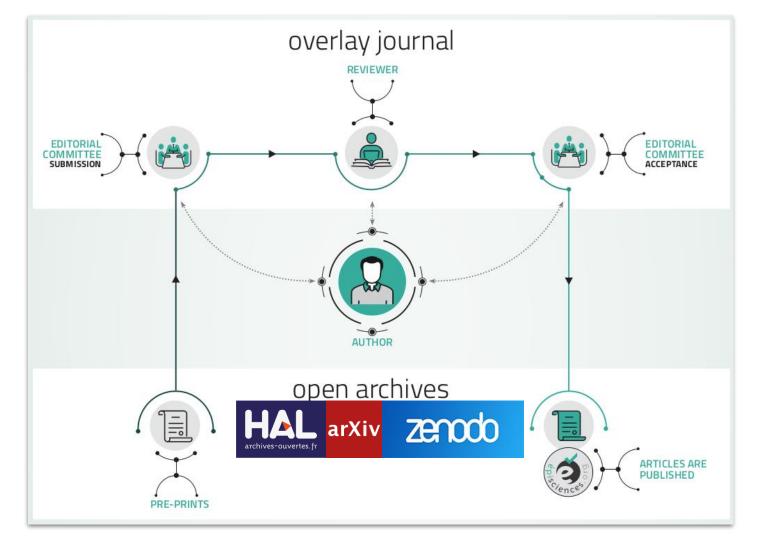
Prefix [edit]

epi-

- 1. Above, over, on, in addition to
- 2. (chemistry) Denotes an epimeric form







# How to use Episciences

 Each journals has its own domain name Example with:



### Hosted on:

https://lmcs.episciences.org/







# 1. Submit your preprint

On a repository, e.g. arXiv:

https://arxiv.org/abs/1802.05734v1

arXiv.org > math > arXiv:1802.05734v1

Search...

Help | Advanc

#### Mathematics > Logic

[Submitted on 15 Feb 2018 (this version), latest version 23 Apr 2020 (v10)]

#### Writability and reachability for alpha-tape infinite time Turing machines

Merlin Carl, Benjamin Rin, Philipp Schlicht

Infinite time Turing machines with tape length  $\alpha$  (denoted  $T_{\alpha}$ ) were introduced by Rin to strengthen the  $\omega$ -tape machines of Hamkins and Kidder. It is known that for some countable ordinals  $\alpha$ , these machines' properties are quite different from those of the  $\omega$ -tape case. We answer a question of Rin about the size of the least ordinal  $\delta$  such that not all cells are halting positions of  $T_{\delta}$  by giving various characterizations of  $\delta$ . For instance, it is the least ordinal with any of the properties (a) there is a  $T_{\alpha}$ -writable real that is not  $T_{\delta}$ -writable for some  $\alpha < \delta$ , (b)  $\delta$  is uncountable in  $L_{\lambda_{\delta}}$ , or (c)  $\delta$  is a regular cardinal in  $L_{\lambda_{\delta}}$ , where  $\lambda_{\delta}$  denotes the supremum of ordinals with a  $T_{\delta}$ -writable code of length  $\delta$ . We further use these characterizations together with an analogue to Welch's submodel characterization of the ordinals  $\lambda$ ,  $\zeta$  and  $\Sigma$ , to show that  $\delta$  is closed under the function  $\alpha \mapsto \Sigma_{\alpha}$ , where  $\Sigma_{\alpha}$  denotes the supremum of the ordinals with a  $T_{\alpha}$ -accidentally writable code of length  $\alpha$ .

Subjects: Logic (math.LO); Logic in Computer Science (cs.LO)

Cite as: arXiv:1802.05734 [math.LO]

(or arXiv:1802.05734v1 [math.LO] for this version)

#### **Submission history**

From: Philipp Schlicht [view email]

[v1] Thu, 15 Feb 2018 19:55:02 UTC (23 KB)



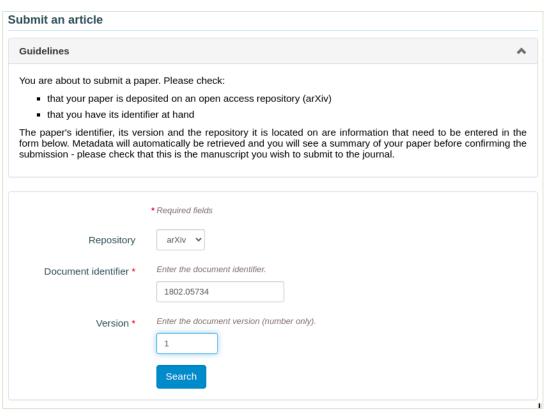


# 2. Import your preprint on a journal

### with your preprint ID:

1802.05734v1

On a journal, eg <u>LMCS</u> for this example







### Metadata retrieved with arXiv's APIs

arXiv.org > math > arXiv:1802.05734v1

Search...

Help | Advance

Mathematics > Logic



Merlin Carl ; Benjamin Rin ; Philipp Schlicht - Reachability for infinite time Turing machines with long tapes

### Reachability for infinite time Turing machines with long tapes

Merlin Carl, Benjamin Rin, Philipp Schlicht

Infinite time Turing machine models with tape length  $\alpha$ , denoted  $T_{\alpha}$ , strengthen the machines of Hamkins and Kidder [HL00] with tape length  $\omega$ . A new phenomenon is that for some countable ordinals  $\alpha$ , some cells cannot be halting positions of  $T_{\alpha}$  given trivial input. The main open question in [Rin14] asks about the size of the least such ordinal  $\delta$ . We answer this by providing various characterizations. For instance,  $\delta$  is the least ordinal with any of the following properties: (a) For some  $\xi < \alpha$ , there is a  $T_{\xi}$ -writable but not  $T_{\alpha}$ -writable subset of  $\omega$ . (b) There is a gap in the  $T_{\alpha}$ -writable ordinals. (c)  $\alpha$  is uncountable in  $L_{\lambda_{\alpha}}$ . Here  $\lambda_{\alpha}$  denotes the supremum of  $T_{\alpha}$ -writable ordinals, i.e. those with a  $T_{\alpha}$ -writable code of length  $\alpha$ .

We further use the above characterizations, and an analogue to Welch's submodel characterization of the ordinals  $\lambda$ ,  $\zeta$  and  $\Sigma$ , to show that  $\delta$  is large in the sense that it is a closure point of the function  $\alpha \mapsto \Sigma_{\alpha}$ , where  $\Sigma_{\alpha}$  denotes the supremum of the  $T_{\alpha}$ -accidentally writable ordinals.

#### Reachability for infinite time Turing machines with long tapes

Authors: Merlin Carl; Benjamin Rin; Philipp Schlicht

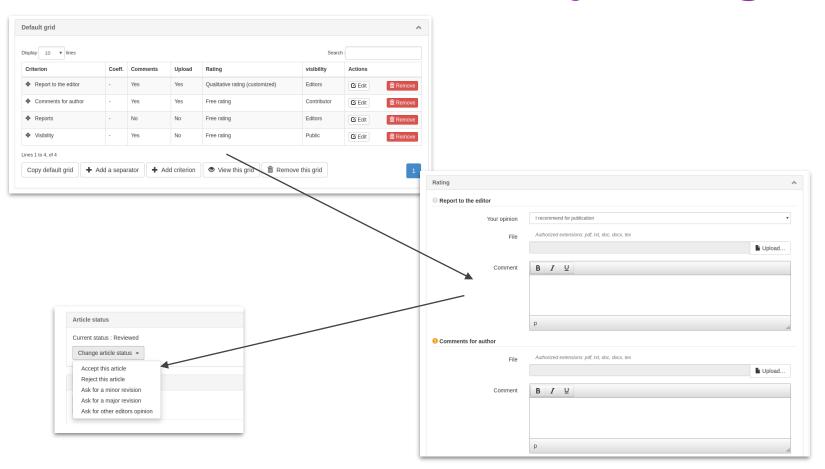
Infinite time Turing machine models with tape length  $\alpha$ , denoted  $T_{\alpha}$ , strengthen the machines of Hamkins and Kidder [HL00] with tape length  $\omega$ . A new phenomenon is that for some countable ordinals  $\alpha$ , some cells cannot be halting positions of  $T_{\alpha}$  given trivial input. The main open question in [Rin14] asks about the size of the least such ordinal  $\delta$ . We answer this by providing various characterizations. For instance,  $\delta$  is the least ordinal with any of the following properties: (a) For some  $\xi < \alpha$ , there is a  $T_{\xi}$ -writable but not  $T_{\alpha}$ -writable subset of  $\omega$ . (b) There is a gap in the  $T_{\alpha}$ -writable ordinals. (c)  $T_{\alpha}$  is uncountable in  $T_{\alpha}$ . Here  $T_{\alpha}$  denotes the supremum of  $T_{\alpha}$ -writable ordinals, i.e. those with a  $T_{\alpha}$ -writable code of length  $T_{\alpha}$ . We further use the above characterizations, and an analogue to Welch's submodel characterization of the ordinals  $T_{\alpha}$ , where  $T_{\alpha}$  denotes the supremum of the  $T_{\alpha}$ -accidentally writable ordinals.

Keywords: Mathematics - Logic, Computer Science - Logic in Computer Science





# 3. Peer review based on journal grid



### Peer-review

- Multiple rounds of peer-review
- New improved versions







#### **Reachability for Turing machines with long tapes**

#### Merlin Carl, Benjamin Rin, Philipp Schlicht

Infinite time Turing machine models with tape length  $\alpha$ , denoted  $T_{\alpha}$ , strengthen the machines of Hamkins and Kidder [HL00] with tape length  $\omega$ . A new phenomenon is that for some countable ordinals  $\alpha$ , some cells cannot be halting positions of  $T_{\alpha}$  given trivial input. The main open question in [Rin14] asks about the size of the least such ordinal  $\delta$ .

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(b) There is a gap in the  $T_{\alpha}$ -writable ordinals. (c)  $\alpha$  is uncountable in  $L_{\lambda_{\alpha}}$ . Here  $\lambda_{\alpha}$  denotes the supremum of  $T_{\alpha}$ -writable ordinals, i.e. those with a  $T_{\alpha}$ -writable code of length  $\alpha$ .

We further use the above characterizations, and an analogue to Welch's submodel characterization of the ordinals  $\lambda$ ,  $\zeta$  and  $\Sigma$ , to show that  $\delta$  is large in the sense that it is a closure point of the function  $\alpha \mapsto \Sigma_{\alpha}$ , where  $\Sigma_{\alpha}$  denotes the supremum of the  $T_{\alpha}$ -accidentally writable ordinals.

Subjects: Logic (math.LO); Logic in Computer Science (cs.LO)

Cite as: arXiv:1802.05734 [math.LO]

(or arXiv:1802.05734v5 [math.LO] for this version)

#### **Submission history**

From: Philipp Schlicht [view email]

[v1] Thu, 15 Feb 2018 19:55:02 UTC (23 KB)

[v2] Wed, 21 Feb 2018 07:58:12 UTC (23 KB)

[v3] Mon, 21 Jan 2019 17:35:28 UTC (28 KB)

[v4] Thu, 23 May 2019 11:53:38 UTC (29 KB)

[v5] Thu, 5 Dec 2019 20:00:10 UTC (31 KB)

[v6] Tue, 10 Dec 2019 07:28:22 UTC (31 KB)

[v7] Mon, 9 Mar 2020 08:05:29 UTC (31 KB)

[v8] Wed, 8 Apr 2020 14:35:32 UTC (39 KB)

[v9] Mon, 20 Apr 2020 20:35:58 UTC (41 KB)

[v10] Thu, 23 Apr 2020 09:08:19 UTC (41 KB)

# 4. Journal Layout

Merlin Carl; Benjamin Rin; Philipp Schlicht - Reachability for infinite time Turing machines with long tapes

Imcs:4444 - Logical Methods in Computer Science, April 24, 2020, Volume 16, Issue 2 - https://doi.org/10.23638/LMCS-16(2:2)2020

#### Reachability for infinite time Turing machines with long tapes

Authors: Merlin Carl ; Benjamin Rin ; Philipp Schlicht

Infinite time Turing machine models with tape length  $\alpha$ , denoted  $T_{\alpha}$ , strengthen the machines of Hamkins and Kidder [HL00] with tape length  $\omega$ . A new phenomenon is that for some countable ordinals  $\alpha$ , some cells cannot be halting positions of  $T_{\alpha}$  given trivial input. The main open question in [Rin14] asks about the size of the least such ordinal  $\delta$ . We answer this by providing various characterizations. For instance,  $\delta$  is the least ordinal with any of the following properties: (a) For some  $\xi < \alpha$ , there is a  $T_{\xi}$ -writable but not  $T_{\alpha}$ -writable subset of  $\omega$ . (b) There is a gap in the  $T_{\alpha}$ -writable ordinals. (c)  $\alpha$  is uncountable in  $L_{\lambda_{\alpha}}$ . Here  $\lambda_{\alpha}$  denotes the supremum of  $T_{\alpha}$ -writable ordinals, i.e. those with a  $T_{\alpha}$ -writable code of length  $\alpha$ . We further use the above characterizations, and an analogue to Welch's submodel characterization of the ordinals  $\lambda$ ,  $\zeta$  and  $\Sigma$ , to show that  $\delta$  is large in the sense that it is a closure point of the function  $\alpha \mapsto \Sigma_{\alpha}$ , where  $\Sigma_{\alpha}$  denotes the supremum of the  $T_{\alpha}$ -accidentally writable ordinals.

#### https://doi.org/10.23638/LMCS-16(2:2)2020

Source: oai:arXiv.org:1802.05734 Volume: Volume 16, Issue 2 Published on: April 24, 2020 Submitted on: April 16, 2018

Keywords: Mathematics - Logic, Computer Science - Logic in Computer Science



Consult the article webpage





Logical Methods in Computer Science Volume 16, Issue 2, 2020, pp. 2:1–2:16 https://lmcs.episciences.org/

### REACHABILITY FOR INFINITE TIME TURING MACHINES WITH LONG TAPES

#### MERLIN CARL, BENJAMIN RIN, AND PHILIPP SCHLICHT

Fachbereich Mathematik und Statistik, University of Konstanz, 78457 Konstanz, Germany, and Europa-Universität Flensburg, Institut für mathematische, naturwissenschaftliche und technische Bildung, Abteilung für Mathematik und ihre Didaktik, Auf dem Campus 1b, 24943 Flensburg, Germany

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Department of Computer Science, The University of Auckland, Private Bag 92019, Auckland 1142, New Zealand, and School of Mathematics, University of Bristol, Fry Building. Woodland Road, Bristol, BS8 1UG, UK

e-mail address: philipp.schlicht@bristol.ac.uk

ABSTRACT. Infinite time Turing machine models with tape length  $\alpha$ , denoted  $T_{\alpha}$ , strengthen the machines of Hamkins and Kidder with tape length  $\omega$ . A new phenomenon is that for some countable ordinals  $\alpha$ , some cells cannot be halting positions of  $T_{\alpha}$  given trivial input. The main open question in a paper of Rin from 2014 asks about the size of the least such ordinal  $\delta$ .

We answer this by providing various characterizations. For instance,  $\delta$  is the least ordinal with any of the following properties:

- For some ε < α, there is a T<sub>ε</sub>-writable but not T<sub>α</sub>-writable subset of ω.
- There is a gap in the T<sub>α</sub>-writable ordinals.
- α is uncountable in L<sub>λα</sub>.

Here  $\lambda_{\alpha}$  denotes the supremum of  $T_{\alpha}$ -writable ordinals, i.e. those with a  $T_{\alpha}$ -writable code of length  $\alpha$ .

We further use the above characterizations, and an analogue to Welch's submodel characterization of the ordinals  $\lambda$ ,  $\zeta$  and  $\Sigma$ , to show that  $\delta$  is large in the sense that it is a closure point of the function  $\alpha \mapsto \Sigma_{\alpha}$ , where  $\Sigma_{\alpha}$  denotes the supremum of the  $T_{\alpha}$ -accidentally writable ordinals.

We would like to thank the anonymous referees for their helpful comments. This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Sklodowska-Curie grant agreement No 794020 (IMIC) for the third-listed author.



Merlin Carl, Benjamin Rin, and Philipp Schlicht
 Creative Commons

Submitted Apr. 16, 2018

Published Apr. 24, 2020

Received by the editors April 12, 2021.

### 5. Publication: one Version Of Record

Current status: Published



# Reachability for infinite time Turing machines with long tapes arXiv.org

Merlin Carl, Benjamin Rin, Philipp Schlicht

Infinite time Turing machine models with tape length  $\alpha$ , denoted  $T_{\alpha}$ , strengthen the machines of Hamkins and Kidder [HL00] with tape length  $\omega$ . A new phenomenon is that for some countable ordinals  $\alpha$ , some cells cannot be halting positions of  $T_{\alpha}$  given trivial input. The main open question in [Rin14] asks about the size of the least such ordinal  $\delta$ .

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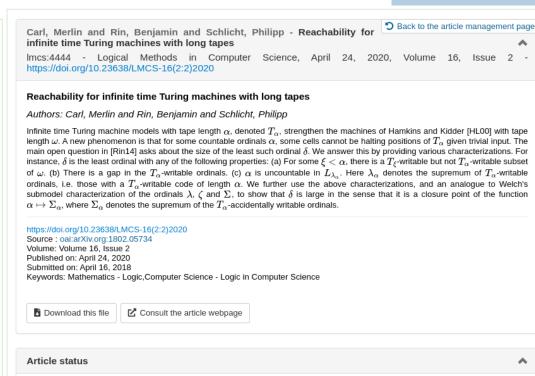
Subjects: Logic (math.LO); Logic in Computer Science (cs.LO)

Journal reference: Logical Methods in Computer Science, Volume 16, Issue 2 (April 24, 2020)

Imcs:6429

<u>DQl</u>: 10.23638/LMCS-16(2:2)2020 Cite as: arXiv:1802.05734 [math.LO]

(or arXiv:1802.05734v10 [math.LO] for this version)







# **Examples of platform tools**





# Website Design



#### Focus and scope

- Siquis enim militarium vel honoratorum aut nobilis inter suos rumore tenus esset insimulatus fovisse partes hostiles, iniecto onere
  catenarum in modum beluae trahebatur et inimico urgente vel nullo, quasi sufficiente hoc solo, quod nominatus esset aut delatus aut
  postulatus, capite vel multatione bonorum aut insulari solitudine damnabatur.
- Duplexque isdem diebus acciderat malum, quod et Theophilum insontem atrox interceperat casus, et Serenianus dignus exsecratione cunctorum, innoxius, modo non reclamante publico vigore, discessit.

#### **Editorial policy**

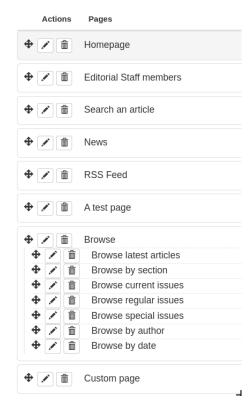
Coactique aliquotiens nostri pedites ad eos persequendos scandere clivos sublimes etiam si lapsantibus plantis fruticeta prensando vel
dumos ad vertices venerint summos, inter arta tamen et invia nullas acies explicare permissi nec firmare nisu valido gressus: hoste
discursatore rupium abscisa volvente, ruinis ponderum inmanium consternuntur, aut ex necessitate ultima fortiter dimicante, superati
periculose per prona discedunt.

#### **New articles**



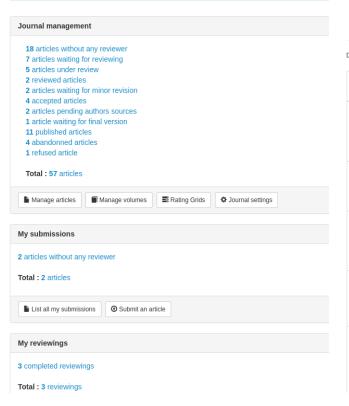
POWERED BY TINY

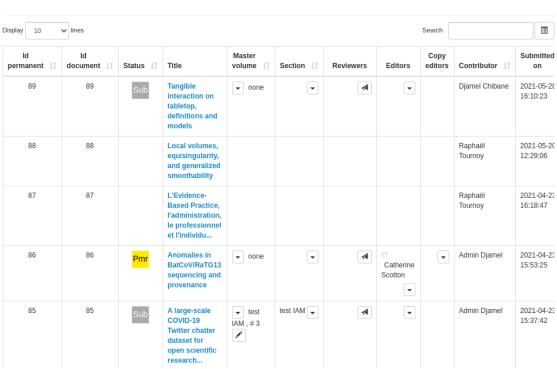




### Article dashboard

#### Dashboard





#### Paper - reviewing

Invite a user to review an article - existing user	<b>℃</b> Edit
Updated rating deadline	<b>♂</b> Edit
Reviewer removal	<b>⊘</b> Edit
Refused reviewer invitation (reviewer copy)	<b>♂</b> Edit
Refused reviewer invitation (editors copy)	<b>ℰ</b> Edit
Invite a user to review an article - user does not have an account yet	<b>⊘</b> Edit
Accepted reviewer invitation (reviewer copy)	<b>℃</b> Edit
Accepted reviewer invitation (editors copy)	<b>⊘</b> Edit
Reviewer invitation to a new version of an article	<b>℃</b> Edit
Invite a user to review an article - existing reviewer	☑ Edit 🛍 Revert
Completed rating (reviewer copy)	<b>℃</b> Edit
Completed rating (editors copy)	<b>℃</b> Edit
Reviewer assignment to a new version of an article	<b>℃</b> Edit
Reviewer assignment to a temporary version	<b>⊘</b> Edit
Final version accepted: reviewing is no longer needed	<b>℃</b> Edit
Revision request: reviewing is no longer needed	<b>℃</b> Edit
Article refused: reviewing is no longer needed	<b>♂</b> Edit
Published article: reviewing is no longer needed	<b>℃</b> Edit

# Customized Email templates

# Reviewer invitations

#### Invite this reviewer

From	Raphaël Tournoy <raphael.tournoy@ccsd.cnrs.fr></raphael.tournoy@ccsd.cnrs.fr>				
Recipient	Frank Rust <nobody@ccsd.cnrs.fr></nobody@ccsd.cnrs.fr>				
CC					
BCC					
Rating due date	2021-06-08				
Subject	ubject epijinfo #748 - You are invited to review an article				
Message	B I 및 Tags → ♦				
	Frank Rust,  You are invited to review the following article: "#748 - A Duality Theorem for Weak Multiplier Hopf Algebra Actions".  Please tell us if you accept or not, by going to this page:  9696INVITATION_URL%%6  Without any answer from you within 1 day(s), we will consider that you were not interested. In case you accept this invitation, your rating will be due before June 8, 2021.  Sincerely yours,  Raphaël Tournoy Episciences.org  Forgotten username?				
	POWERED BY TINYii				

Authorized extensions: png, jpg, jpeg, gif, tif, tiff, zip, 7z, rar, tar, bz, bz2, rtf, doc, docx, pdf, txt, html, css, odt, ods, xls, xlsx, tex, bbl, bbx, bib, bst, cbx, cls, def, dbx, dtx, lbx, sty
Maximum file size you can Upload: 15 MB

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grids	3

Search:	

Criterion	Coeff.	Comments	Upload	Rating	visibility	Actions
Scientific relevance	5	Yes	No	Quantitative rating (out of 5)	Contributor	<b>☑</b> Edit
Originality	5	Yes	No	Quantitative rating (out of 10)	Editors	<b>ⓒ</b> Edit <b>☐</b> Remove
♦ Writing quality	2	Yes	No	Quantitative rating (out of 10)	Editors	<b>ⓒ</b> Edit
<b>♦</b> Comments	-	Yes	Yes	Free rating	Contributor	<b>ⓒ</b> Edit <b>☐</b> Remove
<b>+</b> Evaluation	-	No	No	Separator	Editors	<b>②</b> Edit
Scientific relevance	5	Yes	No	Quantitative rating (out of 10)	Public	<b>ⓒ</b> Edit
Originality	5	Yes	No	Quantitative rating (out of 10)	Contributor	<b>ⓒ</b> Edit <b>☐</b> Remove
♦ Writing quality	2	Yes	No	Quantitative rating (out of 10)	Contributor	<b>ⓒ</b> Edit <b>☐</b> Remove
◆ Commentaires	-	Yes	Yes	Free rating	Contributor	<b>ⓒ</b> Edit <b>☐</b> Remove
citation relevance	-	Yes	No	Qualitative rating (customized)	Editors	<b>②</b> Edit
♣ Report	-	No	No	Separator	Editors	<b>ⓒ</b> Edit
Upload du rapport d'évaluation	-	Yes	Yes	Free rating	Editors	<b>②</b> Edit

Lines 1 to 12, of 12

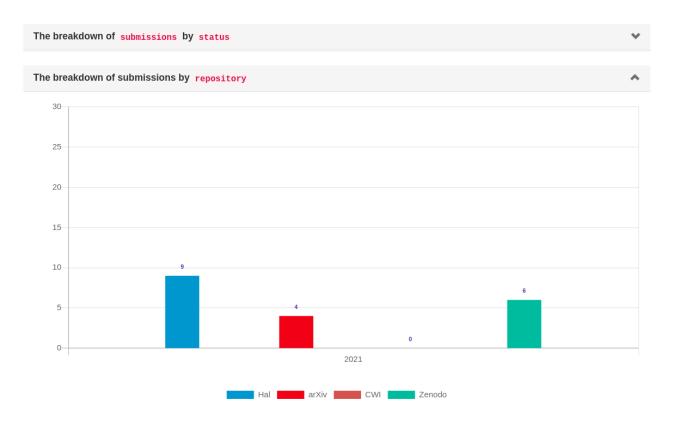
1

# Automatic email reminders

#### Automatic reminders

- Unanswered reviewer invitation reviewer copy (1 day)
- Unanswered reviewer invitation editor copy (7 days)
- O Unanswered reviewer invitation editor copy (14 days)
- Unanswered reviewer invitation reviewer copy (14 days)
- Reminder before reviewing deadline reviewer copy (2 days)
- Reminder before reviewing deadline reviewer copy (1 day)
- Reminder after reviewing deadline reviewer copy (1 day)
- Reminder after reviewing deadline reviewer copy (1 day)
- Reminder after reviewing deadline reviewer copy (2 days)
- Reminder after reviewing deadline reviewer copy (3 days)
- Reminder after reviewing deadline editor copy (7 days)
- Reminder before revision deadline editor copy (2 days)
- Reminder before revision deadline author copy (2 days)
- Reminder before revision deadline author copy (1 day)
- Reminder before revision deadline editor copy (1 day)
- O Not enough reviewers editor copy (1 day)

### **Statistics**







# MONITOR PORTFOLIO



Silvio Peroni | UNIBO



### **OpenCitations:** introduction

OpenCitations (<a href="http://opencitations.net">http://opencitations.net</a>) is an <a href="mailto:independent infrastructure organization">independent infrastructure organization</a>

- dedicated to open scholarship and the publication of open bibliographic and citation data by the use of Semantic Web technologies
- engaged in advocacy for open citations and open bibliographic metadata

#### It provides:

- a data model: the OpenCitations Data Model (based on the SPAR Ontologies)
- bibliographic and citation data (CC0): OpenCitations Corpus, COCI, CROCI, CCC
- software: in our <u>GitHub repository</u>, released with open source licenses
- online services: <u>REST APIs</u>, <u>SPARQL endpoints</u>, <u>dumps</u> and <u>interfaces</u>

### **OpenCitations:** goals

OpenCitations has been established as a fully free and open infrastructure to provide access to global scholarly bibliographic and citation data, with the intent to rival those from proprietary services, e.g. Clarivate Analytics' Web of Science (WoS) and Elsevier's Scopus

#### OpenCitations enables

- Fairness: it avoids institutions and independent scholars having to pay tens of thousands of dollars annually (that most of them cannot afford!) for commercial access to their own scholarly data
- Reuse: no license restrictions, since the data are provided under CCO, so users can republish
  and reuse for any purpose the citation data that OpenCitations provides
- Research assessment: by providing crucial data for national and international research evaluation exercises, OpenCitations makes such activities transparent and reproducible
- Governance: community involvement

### **OpenCitations:** data

OpenCitations Indexes (<a href="http://opencitations.net/index">http://opencitations.net/index</a>), including COCI (our main source) and CROCI (DOCI (launch: July 2018): >759M citations between >60M bibliographic entities

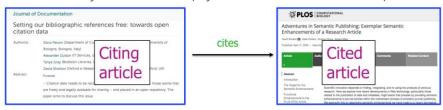
We are setting up (1) a system to enable you to share your own citation data and bibliographic metadata on our OpenCitations Indexes and in a new bibliographic metadata collection, OpenCitations Meta, and (2) the Open Biomedical Citations in Context Corpus (funded by the Wellcome Trust) that will contain in-text reference pointers and citation contexts of OA articles in the PubMed OA subset

OpenCitations Indexes Service	URL
REST API results in CSV and JSON	https://opencitations.net/index/api/v1
SPARQL endpoint results in several formats	https://opencitations.net/index/sparql
Dumps all data in CSV, Scholix, RDF	http://opencitations.net/download#index



# Citations as first-class data entities

Citations are normally treated simply as the links between published entities



Alternative richer view is to regard a citation as a data entity in its own right

# has citing article







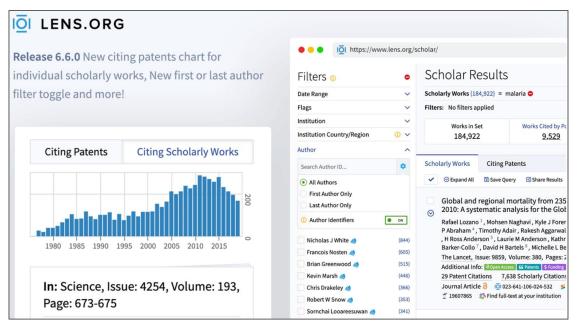
article

has cited

```
creation: "2020-02"
author_sc: "no"

oci: "0200101060236262828491049000000203-020010000073609070863036300030063000006060863064908"
timespan: "P2Y"
cited: "10.1007/978-3-030-00668-6_8"
citing: "10.1162/qss_a_00023"
journal_sc: "no"
```

### Known uses of OpenCitations: Lens.org



The Lens.org is an aggregator of scholarly metadata about scholarly works and patents, and offers services to discover, analyse, manage and share knowledge

In the 6.6 release, they have "added citation data from the latest release of OpenCitations Index of Crossref open DOI-to-DOI citations (COCI, most recent update: 21 January 2020)"

https://about.lens.org/release-6-6/

### Known uses of OpenCitations: DBLP



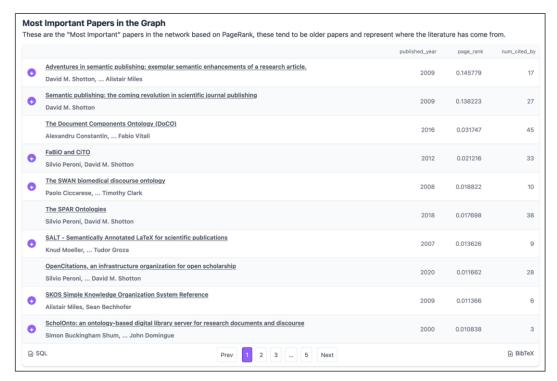


The <u>dblp computer science bibliography</u> is the on-line reference for bibliographic information on major computer science publications, and provides free access to high-quality bibliographic metadata and links to the electronic editions of publications

It uses OpenCitations APIs (and others) to retrieve on-the-fly citation information about each publication in dblp that is assigned with a DOI

https://blog.dblp.org/2019/11/11/open-citation-data-and-dblp/

### Known uses of OpenCitations: Inciteful



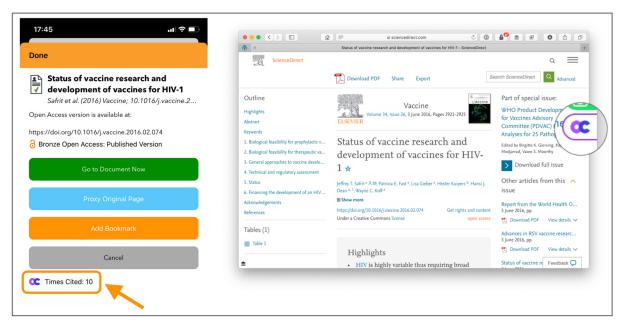
Inciteful is a database that includes information of the majority of academic papers in peer reviewed journals as well as books

It uses OpenCitations data for the citation data needed to build the knowledge graph of bibliographic resources they store



https://help.inciteful.xyz/how-does-it-work.html

### Known uses of OpenCitations: OpenAccess Helper



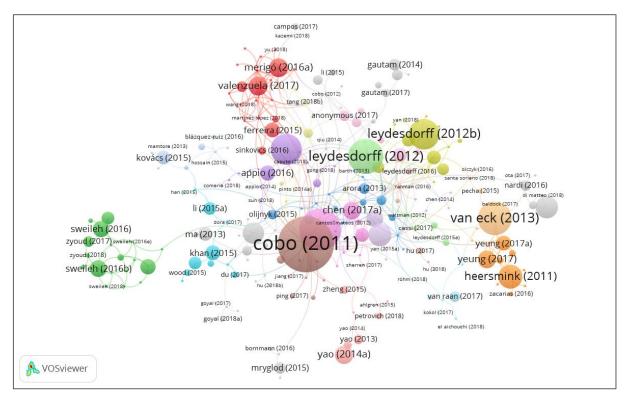
Open Access Helper is designed to help you get easy access to Open Access versions of otherwise "paywalled" scientific articles

It uses OpenCitations' APIs to gather and expose the citation count of the article in consideration





### Known uses of OpenCitations: VOSviewer



VOSviewer is a software tool for constructing and visualizing bibliometric networks that can be constructed based on citation, bibliographic coupling, co-citation, or co-authorship relations

It uses OpenCitations' API to retrieve the DOIs of publications that cite one or more input papers

https://www.cwts.nl/blog?article=n-r2v284

# Supporting Open Science Infrastructures



DIRECTORY OF OPEN ACCESS BOOKS
OPEN ACCESS PUBLISHING FOR EUROPEAN NETWORKS
PUBLIC KNOWLEDGE PROJECT
OPENCITATIONS

# SCOSS LAUNCHES SECOND FUNDING CYCLE

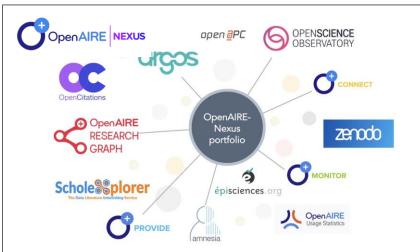
Read about these essential services, their funding goals and how your institution can help support them at www.scoss.org.

















### **OpenAIRE Tech-Clinic webinars for OpenAIRE AMKE Members**

New services integrated in the OpenAIRE infrastructure

### **OpenOrgs**

### 21th June

10:00 - 11:00 (CEST)

