

# Using Crossref in your workflows (2)

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# Session Overview

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- Updating the Literature through CrossMark
- The Crossref Metadata API
- Metadata2020 - making the most of your metadata!

**Submission**

**Review**

**Publication**

**Post-Publication**

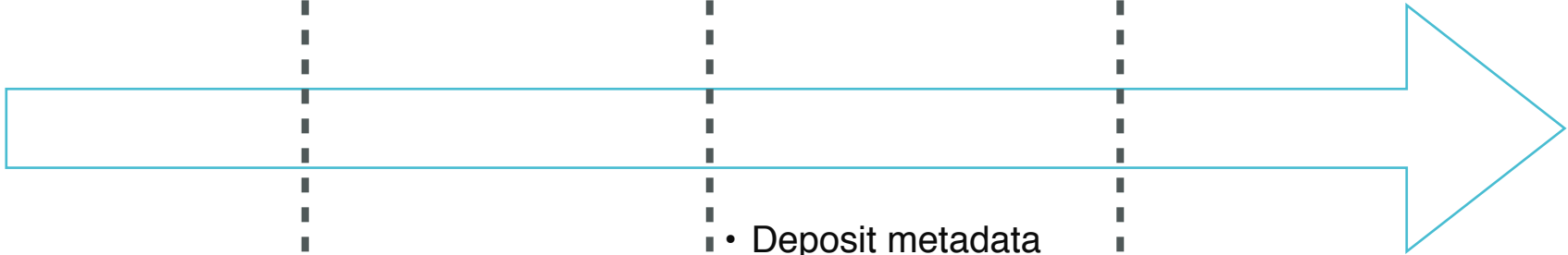


**Submission**

**Review**

**Publication**

**Post-Publication**



- Deposit metadata and mint DOI including:
  - funding data
  - ORCID iDs
  - references
  - full-text links
  - license information
  - CrossMark metadata
  - Clinical trial information

## Submission

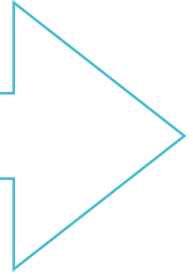
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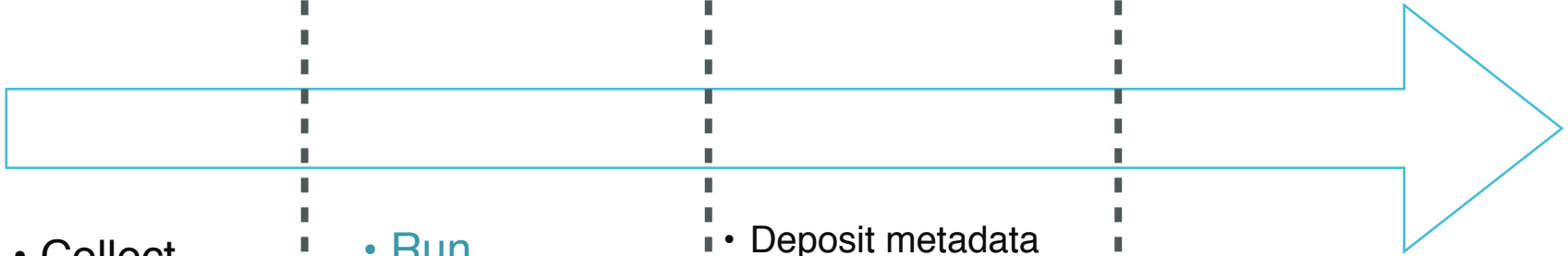
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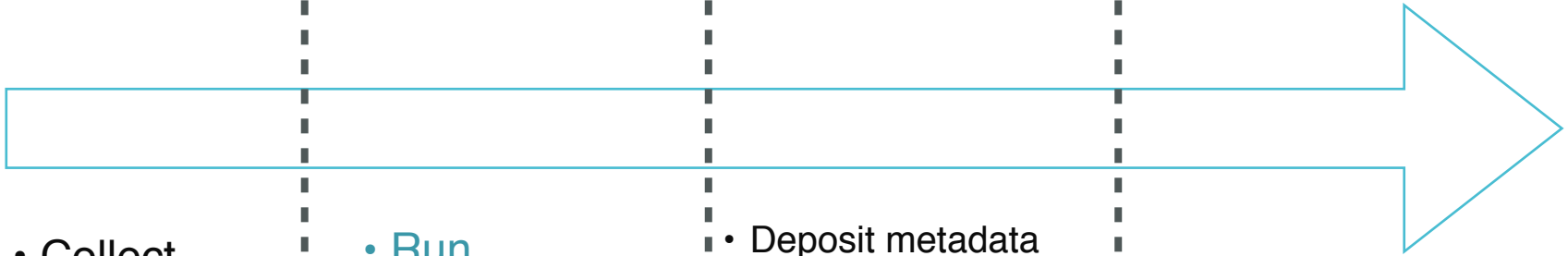
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## Post-Publication

- Update and correct the literature
- Show citation information and other usage data
- Enable text mining
- Have ORCID records auto-update
- Use of the metadata by third parties



# Updating the Literature



# Using CrossMark: Key Points

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- Content changes and readers need to know
- An easy way to communicate publication information and changes to researchers
- The more metadata you register the richer & more useful your content becomes

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- Machine-readable metadata available via the Crossref Metadata API

A [correction](#) for this article has been published in *BMC Neurology* 2011, 11:45

**Research article**

Highly accessed

Open Access

**Diagnostic indices for vertiginous diseases****Otmar Bayer<sup>1\*</sup>, Jan-Christian Warninghoff<sup>2†</sup> and Andreas Straube<sup>3</sup>**

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For all author emails, please [log on](#).

*BMC Neurology* 2010, **10**:98 doi:10.1186/1471-2377-10-98

The electronic version of this article is the complete one and can be found online at:

**BMC Neurology**  
Volume 10**Viewing options**[Abstract](#)**Full text**[PDF \(401KB\)](#)[Additional files](#)**Associated material**[PubMed record](#)[Article metrics](#)[Readers' comments](#)

(1)

[Pre-publication history](#)**Related literature**[Cited by](#)[Google blog search](#)[Other articles by authors](#)[► on Google Scholar](#)[► on PubMed](#)[Related articles for you](#)

OPEN ACCESS PEER-REVIEWED

RESEARCH ARTICLE

# A New Dicynodont (Therapsida: Anomodontia) from the Permian of Southern Brazil and Its Implications for Bidentalian Origins

Alessandra D. S. Boos , Christian F. Kammener, Cesar L. Schultz, Marina B. Soares, Ana L. R. Iha

Published: May 25, 2016 • <http://dx.doi.org/10.1371/journal.pone.0155000>

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## Abstract

Introduction

Geological Setting

Methods

Systematic Paleontology

## Abstract

Dicynodonts were a highly successful group of herbivorous therapsids that inhabited terrestrial ecosystems from the Middle Permian through the end of the Triassic periods. Permian dicynodonts are extremely abundant in African deposits, but are comparatively poorly known from the other regions of Gondwana. Here we describe a new South American dicynodont,

CrossMark

## Subject Areas

Skull

Permian period



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**Retraction**

Retraction dated 2015-09-25

Click to view Retraction:

<https://doi.org/10.1371/journal.pone.0139497>

MicroRNA-302a Functions as a Putative Tumor Suppressor in Colon Cancer by Targeting Akt

Crossref DOI link: <https://doi.org/10.1371/journal.pone.0115980>

Published:

Update policy: [https://doi.org/10.1371/journal.pone.corrections\\_policy](https://doi.org/10.1371/journal.pone.corrections_policy)

› Authors

› License Information

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- Slightly over 1000 of the updates are retractions

# Why the new look?

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- Fresh and contemporary flat design

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- Responsive on mobile devices (coming soon)

## CrossMark



Document is current

Any future updates will be listed below

An Occupational Therapy intervention for residents with stroke-related disabilities in UK Care Homes (OTCH): cluster randomised controlled trial with economic evaluation

Crossref DOI link: <http://doi.org/10.3310/hta20150>

Published: 2014-09-12

Update policy: <http://dx.doi.org/10.3310/crossmarkpolicy>

› Authors

› Clinical Trials

› Funding

› License Information



**Updates are available**

Correction dated 2012-02-29

Click to view Correction:

[10.5555/25252525x](https://doi.org/10.5555/25252525x)

Developing Thin Clients Using Amphibious Epistemologies

Crossref DOI link: <http://doi.org/10.5555/12345679>

Published: 2008-02-29

Update policy: [http://dx.doi.org/10.5555/crossmark\\_policy](http://dx.doi.org/10.5555/crossmark_policy)

> Authors

> License Information

> More Information

## CrossMark



### Retraction

Retraction dated 2009-09-14

Click to view Retraction:

[10.5555/24242424x](http://dx.doi.org/10.5555/24242424x)

Toward a Unified Theory of High-Energy Metaphysics: Silly String Theory

Crossref DOI link: <http://doi.org/10.5555/12345678>

Published: 2008-08-14

Update policy: [http://dx.doi.org/10.5555/crossmark\\_policy](http://dx.doi.org/10.5555/crossmark_policy)

> Authors

> Clinical Trials

> Funding

> License Information

## CrossMark

trial with economic evaluation

Crossref DOI link: <http://doi.org/10.3310/hta20150>

Published: 2014-09-12

Update policy: <http://dx.doi.org/10.3310/crossmarkpolicy>

> [Authors](#)

> [Clinical Trials](#)

▼ [Funding](#)

**Funding for this research was provided by:**

Health Technology Assessment Programme (08/14/30)

> [License Information](#)

> [More Information](#)



[About CrossMark](#)



# CrossMark Benefits

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- Additional publication information all in one place
- Free for researchers to click on
- More dissemination of your metadata



**Crossref**

Metadata API





# Crossref

## Metadata API

- Search, filter, facet, sample Crossref metadata
- Free to use
- Do whatever you want with the data
- Code publicly available: <http://github.com/CrossRef>

Publishers

Crossref

## Basic metadata

Titles, authors, ISSNs, ISBNs

Journal articles, conference proceedings, data, standards

Funding Information

Funder identifiers, award numbers

License Information

License URIs (NISO ALI)

Full-text locations

URIs direct to full-text articles (used in TDM)

Significant updates

Retractions, corrections

ORCIDs

## Until recently:

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“Tell me which licenses eLife uses”

- Sign up to CrossRef Enhanced Metadata Services
- Download ~1TB of XML via OAI-PMH
- Parse and scan for eLife’s DOIs, record licenses

# With our REST API

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1. Find member ID for eLife:

<http://api.crossref.org/members?query=elife>

2. Ask for their licenses

[http://api.crossref.org/members/4374/works?facet=license:\\*&rows=0](http://api.crossref.org/members/4374/works?facet=license:*&rows=0)

api.crossref.org/members/4374/works?facet=license:\*&rows=0

```
{
  status: "ok",
  message-type: "work-list",
  message-version: "1.0.0",
  - message: {
    items: [ ],
    total-results: 29111,
    - query: {
      search-terms: null,
      start-index: 0
    },
    items-per-page: 0,
    - facets: {
      - license: {
        value-count: 9,
        - values: {
          http://creativecommons.org/licenses/by/4.0/: 950,
          http://creativecommons.org/licenses/by/3.0/: 644,
          http://creativecommons.org/publicdomain/zero/1.0/: 57,
```

CC-BY 3.0 and 4.0, a bit of CC0

# What are people doing with it?

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- Search services (including Crossref's funding and metadata searches)
- Bibliography / PDF library management tools
- Reporting on funding activities, publishing activities, author activities
- Ingest of scholarly metadata (OAI-PMH replacement) and metadata lookup
- Locating full-texts for content mining



[Funding Data](#) [Link References](#) [Status](#)

Search the metadata  
of **81,492,199** journal articles, books,  
standards, datasets & more

[Search help](#)



[Funding Data](#) [Link References](#) [Status](#)

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Search **11,503** funders connected to  
**886,904** published works with funding  
data





SHARE Notify

CHORUS



JournalHub

PKP

PUBLIC  
KNOWLEDGE  
PROJECT

KUDOS   
Greater Research Impact



Au|thorea

# Making the most of your metadata

# So, what is richer metadata?

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Metadata about scholarly works extends beyond the DOI.

In addition to bibliographic details, layers of information accompanying published works may now extend to data that describes the research, such as the source of research funding.

It may also include non-descriptive information that facilitates usage, such as copyright and access permissions.

# Examples of rich metadata

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**Author data** – Crossref metadata may include information specifying the author's unique ORCID, allowing you to find other works by the same person.

**Copyright and access indicators** – You can view the license terms under which the full content may be available, which is very helpful for scholars who want to access the full content for research and teaching or for text and data mining.

## In recognition that ...

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Metadata is the engine that drives discoverability, use, and reuse of scholarly communications.

## Preliminary campaign goals:

- Encourage publishers to make a public commitment to submit all of the metadata relevant to their content.
- Equip all stakeholders with the tools they need to comply with agreed thresholds.

# A campaign is born!

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Crossref will be launching “Metadata 2020” in late 2016 with a mission to **educate** and **motivate** scholarly publishers to supply richer metadata and also to recognize metadata champions across the scholarly landscape.

# Help us with Metadata 2020!

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Crossref wants your feedback - and your support - for depositing richer (comprehensive) and higher quality (clean) metadata.

Starting in 2017, we will be inviting supporters from the community to become Metadata 2020 Ambassadors, a task force of stakeholders including librarians, publishers, and affiliates to help raise awareness and promote participation.



# Thank you!

Questions?

[rlammey@crossref.org](mailto:rlammey@crossref.org)

