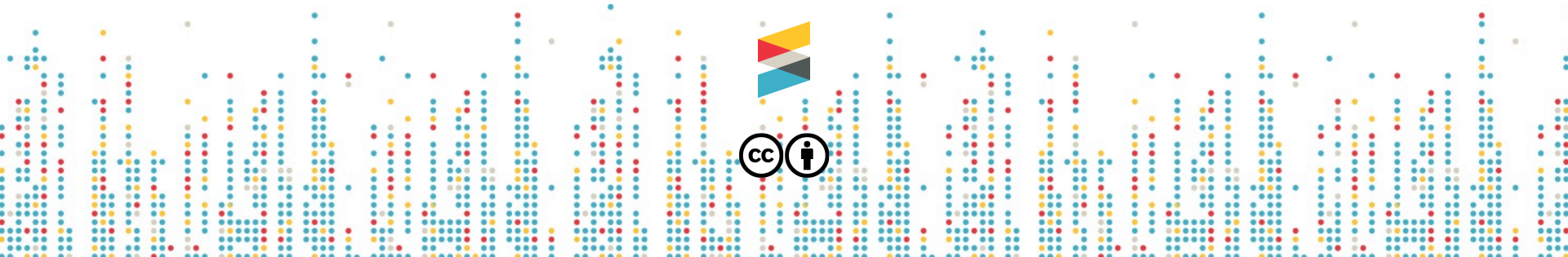
You are
Crossref

Crossref Citations & Other Relations



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@ginnyLDN
@gin@scholar.social | @ginny@scicomm.xyz

we
Workplace
Equity
Project

METADATA
2020

FREYA

PIDapalooza

ORCID

DataCite
FIND, ACCESS, AND REUSE DATA

I4OC

SCHOLIX

ROR
.community

About Crossref

Mission

Crossref makes research outputs easy to find, cite, link, assess, and reuse.

We’re a not-for-profit membership organization that exists to make scholarly communications better.

Rally	Getting the community working together to make scholarly communications better
Tag	Structuring, processing, and sharing metadata to reveal relationships between research outputs
Run	Operating a shared, open infrastructure that is community-governed and evolves with changing needs
Play	Engaging in debate and experimenting with technology to solve our members' problems
Make	Creating tools and services to enable connections and give context

Our truths

Come one, come all

We define publishing broadly. If you communicate research and care about preserving the scholarly record, join us. We are a global community of members with content in all disciplines, in many formats, and with all kinds of business models.

One member, one vote

Help us set the agenda. It doesn't matter how big or small you are, every member gets a single vote to create a board that represents all types of members.

Smart alone, brilliant together

Collaboration is at the core of everything we do. We involve the community through active working groups and committees. Our focus is on things that are best achieved by working together.

Love metadata, love technology

We do R&D to support and expand the shared infrastructure we run for the scholarly community. We create open tools and APIs to help enrich and exchange metadata with thousands of third parties, to drive discoverability of our members' content.

What you see, what you get

Ask us anything. We'll tell you what we know. Openness and transparency are principles that guide everything we do.

Here today, here tomorrow

We're here for the long haul. Our obsession with persistence applies to all things—metadata, links, technology, and the organization. But "persistent" doesn't mean "static"; as research communications continues to evolve, so do we.

Article
Article
Article
Article
Article
Article
Article
Article
Data & software
Preprints
Protocols
Videos
Conference papers
Published peer reviews

Reference Linking & Cited-by

Crossref
Reference
Linking

PeerJ

View 4 tweets

Related research

Cite this as

Ullah MZ, Lim JN, Ha M, Rahman MM. (2018) Smokeless tobacco use: pattern of use, knowledge and perceptions among rural Bangladeshi adolescents. *PeerJ* 6:e5463 https://doi.org/10.7717/peerj.5463

Main article text

References

Abdullah AS, Driezen P, Ruthbah HU, Nargis N, Quah A, Fong TG. 2014. Patterns and predictors of smokeless tobacco use among adults in Bangladesh: findings from the International Tobacco Control (ITC) Bangladesh survey. *PLOS ONE* **9**:e101934

Arora M, Tewari A, Tripathy V, Nazar GP, Juneja NS, Ramakrishnan L, Reddy KS. 2010. Community-based model for preventing tobacco use among disadvantaged adolescents in urban slums of India. *Health Promotion International* **25**:143-152

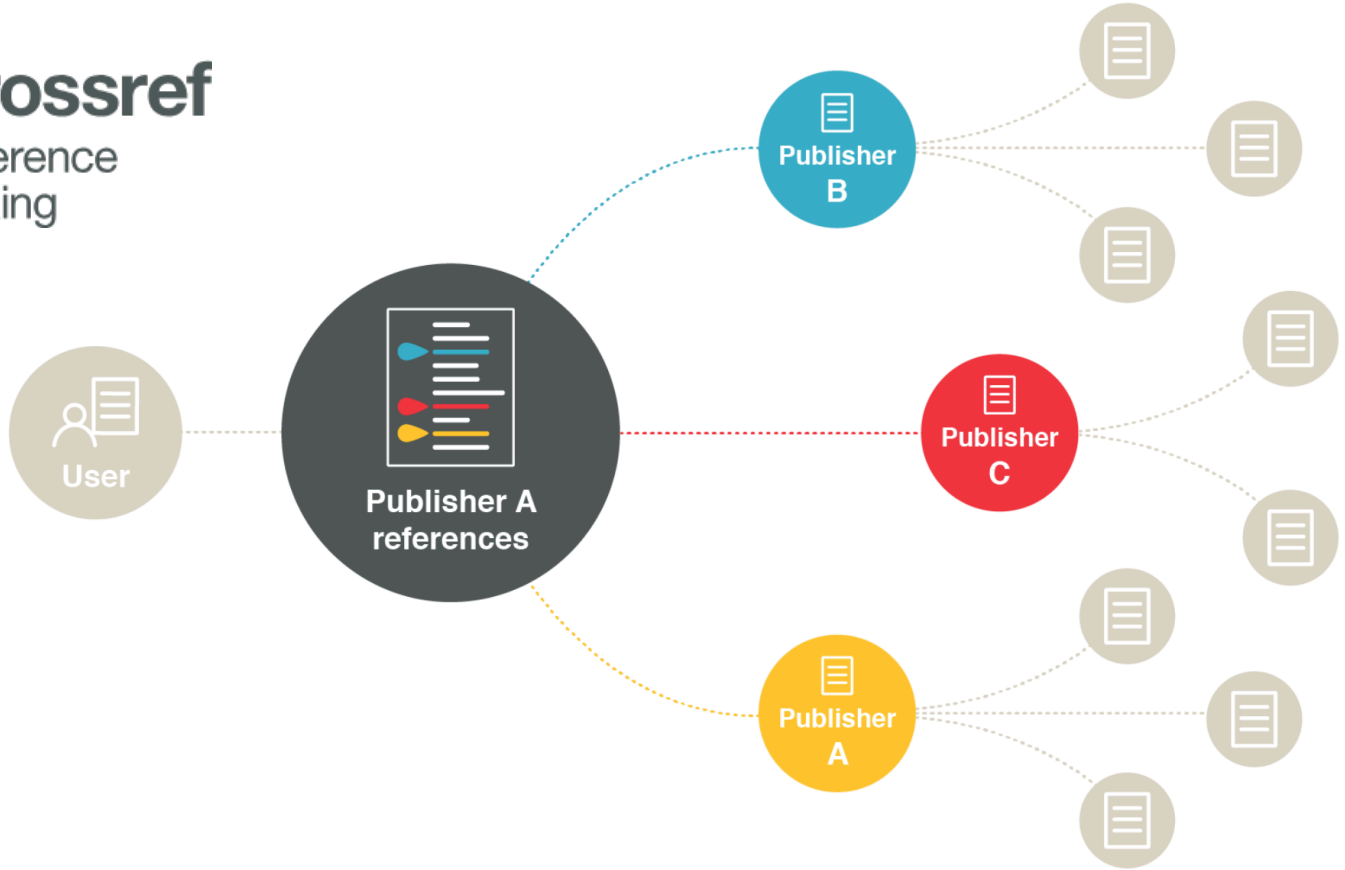
Azam NM, Shahjahan M, Yeasmin M, Ahmed UN. 2016. Prevalence of smokeless tobacco among low socioeconomic populations: a cross-sectional analysis. *PLOS ONE* **11**:e0156887

Bandura A. 1986. *Social foundations of thought and action: a social cognitive theory* (2nd edition). Englewood Cliffs: Prentice-Hall.

Bangladesh Bureau of Statistics. 2013. *District Statistics 2011 (Bangladesh)*. Lakshmipur District: Bangladesh Bureau of Statistics.

Bhaskar RK, Sah MN, Gaurav K, Bhaskar SC, Singh R, Yadav MK, Ojha S. 2016. Prevalence and correlates of tobacco use among adolescents in the schools of Kalaiya, Nepal: a cross-sectional questionnaire-based study. *Tobacco Induced Diseases* **14**:11

Crossref
Reference
Linking



Crossref
Cited-by

- Launched in 2006
- Counts and links to the publications that have cited an item of content
- Readers can navigate from one publisher’s content to other content that cites it.

Crossref
Cited-by

SpringerLink

Italian Journal of Pediatrics
December 2010, 36:5 | Cite as

Cow's milk protein allergy in children: a practica guide

Authors | Authors and affiliations

Carlo Caffarelli, Francesco Baldi, Barbara Bendandi, Luigi Calzone, Miris Marani, Pamela Pasquinelli

Open Access | Review
First Online: 15 January 2010

10 Shares | 49k Downloads | 40 Citations

Part of the following topical collections:
- Allergology and Immunology

Abstract

A joint study group on cow's milk allergy was convened by the Emilia-Romagna Group for Paediatric Allergy and by the Emilia-Romagna Working Group for Pa Gastroenterology to focus best practice for diagnosis, management and follow-u milk allergy in children and to offer a common approach for allergologists, gastroenterologists, general paediatricians and primary care physicians.

SpringerLink | SpringerNature APIs | SpringerMaterials | AuthorMapper

Springer

Citations

HOME | ABOUT | GO

Citation Details

Article

Cow's milk protein allergy in children: a practical guide

Italian Journal of Pediatrics, 2010, Volume 36, Number 1, Page 1
Carlo Caffarelli, Francesco Baldi, Barbara Bendandi, **Show All (6)**

Read Online

40 ITEMS CITE THIS ARTICLE Crossref

Page: **1**|2|3|> |>>

9 CITATIONS

Article

The composition, extraction, functionality and applications of rice proteins: A review

Luca Amagliani, Jonathan O'Regan, Alan L. Kelly and James A. O'Mahony
Journal: Trends in Food Science & Technology, 2017, Volume 64, Page 1
DOI: 10.1016/j.tifs.2017.01.008

Read Online

6

Article

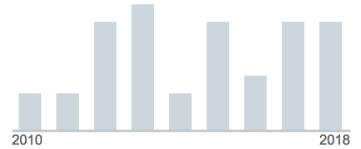
Low glycemic index and increased protein content in a novel quinoa milk

Crossref
40 ITEMS CITE THIS ARTICLE

WEB OF SCIENCE ™
39 ITEMS CITE THIS ARTICLE

CITATION RANK
97th PERCENTILE

CITATIONS PER YEAR



CITING JOURNALS

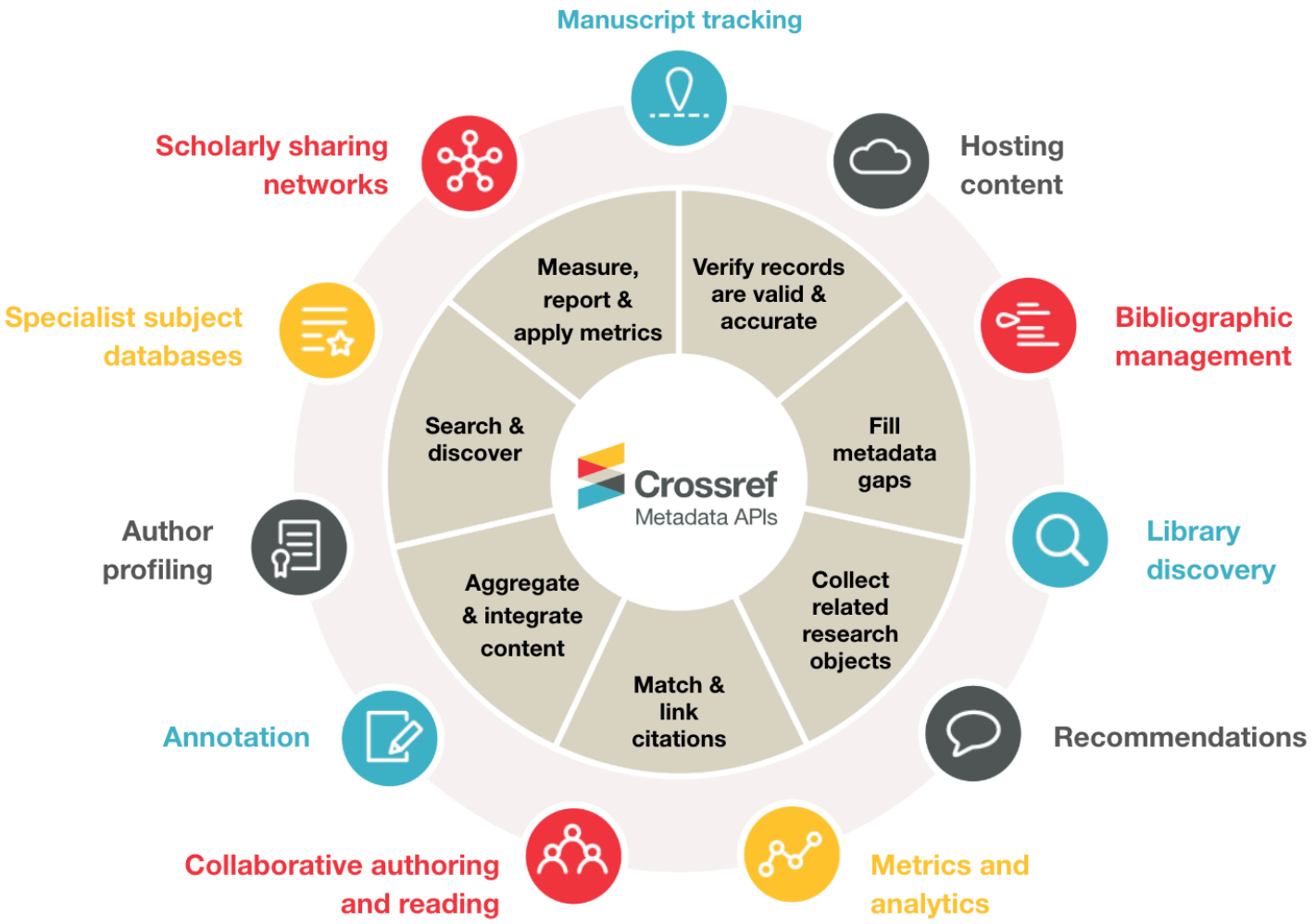
Italian Journal of Pediatrics	3
Journal of Dairy Science	2
Korean Journal of Pediatric Gastroenter ...	2

Metadata distribution

632,000,000

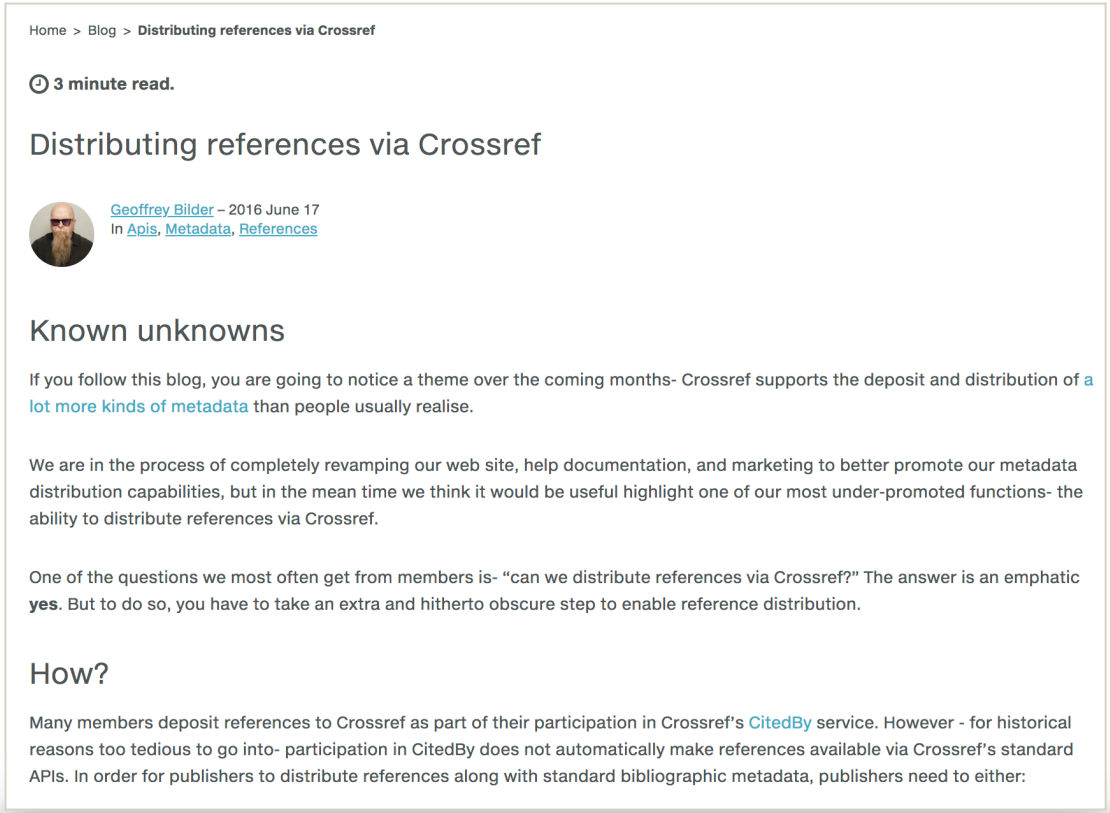
Metadata queries per month

(up 28% from previous year)


Manuscript tracking
Hosting content
Bibliographic management
Library discovery
Recommendations
Metrics and analytics
Collaborative authoring and reading
Annotation
Author profiling
Specialist subject databases
Scholarly sharing networks
Verify records are valid & accurate
Fill metadata gaps
Collect related research objects
Match & link citations
Aggregate & integrate content
Search & discover
Measure, report & apply metrics
Crossref
Metadata APIs

Reference distribution has been possible for a decade ...

- OAI-PMH
- OpenURL
- REST API



Home > Blog > **Distributing references via Crossref**

3 minute read.

Distributing references via Crossref

Geoffrey Bilder – 2016 June 17
In Apis, Metadata, References

Known unknowns

If you follow this blog, you are going to notice a theme over the coming months- Crossref supports the deposit and distribution of a lot more kinds of metadata than people usually realise.

We are in the process of completely revamping our web site, help documentation, and marketing to better promote our metadata distribution capabilities, but in the mean time we think it would be useful highlight one of our most under-promoted functions- the ability to distribute references via Crossref.

One of the questions we most often get from members is- “can we distribute references via Crossref?” The answer is an emphatic **yes**. But to do so, you have to take an extra and hitherto obscure step to enable reference distribution.

How?

Many members deposit references to Crossref as part of their participation in Crossref’s CitedBy service. However - for historical reasons too tedious to go into- participation in CitedBy does not automatically make references available via Crossref’s standard APIs. In order for publishers to distribute references along with standard bibliographic metadata, publishers need to either:

Reference distribution has been possible for a decade but then in 2017 two additional things happened…

I4OC

Crossref

Metadata APIs **Plus**

crossref.org/board-and-governance

July 2017 Board meeting:

All motions passed unanimously except as otherwise noted.

1. To approve the agenda for the meeting.
2. To approve the minutes of the March 2017 Board Meeting, as corrected.
3. To accept the minutes of the Executive Committee telephone meetings on April 21 and June 23, 2017.
4. To approve the creation of an ad hoc Finance Committee, the members of which will be appointed at the November Board meeting.
5. To formally recognize Bernie Rous's contributions to Crossref and to scholarly publishing over his 40-year career.
6. To approve the recommendations of the Membership & Fees Committee with respect to volume discounts for current deposits of posted content. *(PASSED with AIP, IEEE, Elsevier opposed; and ACM abstaining.)*
7. To approve the recommendations of the Membership & Fees Committee with respect to the creation of "peer review" as a new content type, with specific metadata schema and a bundled fee of $1.25 to be charged, with the clarifications that (i) the original, unaccepted author manuscript is to be excluded; and (ii) although the number of peer reviews that can be registered at the bundled fee will be unlimited now, Crossref may make changes in future based on actual experience with the new content type.
8. To approve the recommendations of the Membership & Fees Committee with respect to updating the metadata delivery offering to have a single agreement that covers all metadata APIs/delivery routes, to adopt a single (updated) fee structure, and to remove case-by-case opt-outs for metadata.
9. To approve the audited financials.

"To approve the recommendations of the Membership & Fees Committee with respect to updating the [paid] metadata delivery offering:

- To have a single agreement that covers all metadata APIs/ delivery routes
- To adopt a single (updated) fee structure, and
- To remove case-by-case opt-outs for metadata."

Revised reference distribution policy

Closed	These references are only used for Cited-by and are not distributed otherwise.
Limited (Default for older accounts)	Organizations that sign an agreement for Metadata Plus can access these references.
Open (Default for accounts joining from 2018)	Everyone can access these references through all our public APIs.

New board election slate

Member organization	Candidate standing	Country
African Journals Online	Susan Murray	South Africa
American Psychological Association	Jasper Simons	USA
Association for Computing Machinery	Scott Delman	USA
California Digital Library	Catherine Mitchell	USA
Hindawi	Paul Peters	UK
SAGE	Richard Fidczuk	USA
Wiley	Duncan Campbell	USA

crossref.org/board-and-governance

Reference distribution

1. Ensure that you or your vendor is depositing references with Crossref for your journal(s)
2. Email support@crossref.org to set your distribution preference for each prefix
3. OR Set the `reference_distribution_opt` element to `any` for each item record

2325

(726 have actually deposited any)

Members with open references

Home > Reports > **Members with open references**

This table shows a list of our members that have set (some of) their references to Open. A new reference distribution policy, effective January 1st, 2018 was adopted by the board in 2017. Crossref members can choose to set their references to 'Open', 'Limited', or 'Closed', per prefix. Here is the list of the members with Closed references.

Using this report

- If you do not see a publisher on this list, then their references are not Open. Check the Close 'Limited'.
- Not all members deposit references with the rest of their metadata—around one third do inc members). The table below lists all members with the Open setting, they do not necessarily headings to sort.
- Some members have more than one prefix, and some may be Open but other prefixes not. T for a specific content type that doesn't have references e.g. datasets or components.
- This table updates with every build of this website, so it may be a couple of days out of date page.
- 'Backfiles' are anything older than two years. 'Current' is the last two years, rolling.

Total rows 2325

Member Name & ID	Sponsored member & prefix	Reference Visibility	Total Backfile ▼ DOIs	Tota Curr DOIs
Springer Nature America, Inc (ID 297)	Genomic Standards Consortium 10.4056	open	10482971	1565
	Island Press 10.5822	open		

31

Members with closed references

Home > Reports > **Members with closed references**

This table shows a list of our members that have set (some of) their references to Closed. A new reference distribution policy was adopted by the board in 2017 and came into effect on January 1st, 2018. Crossref members can choose to set their references to 'Open', 'Limited', or 'Closed', per prefix.

Using this report

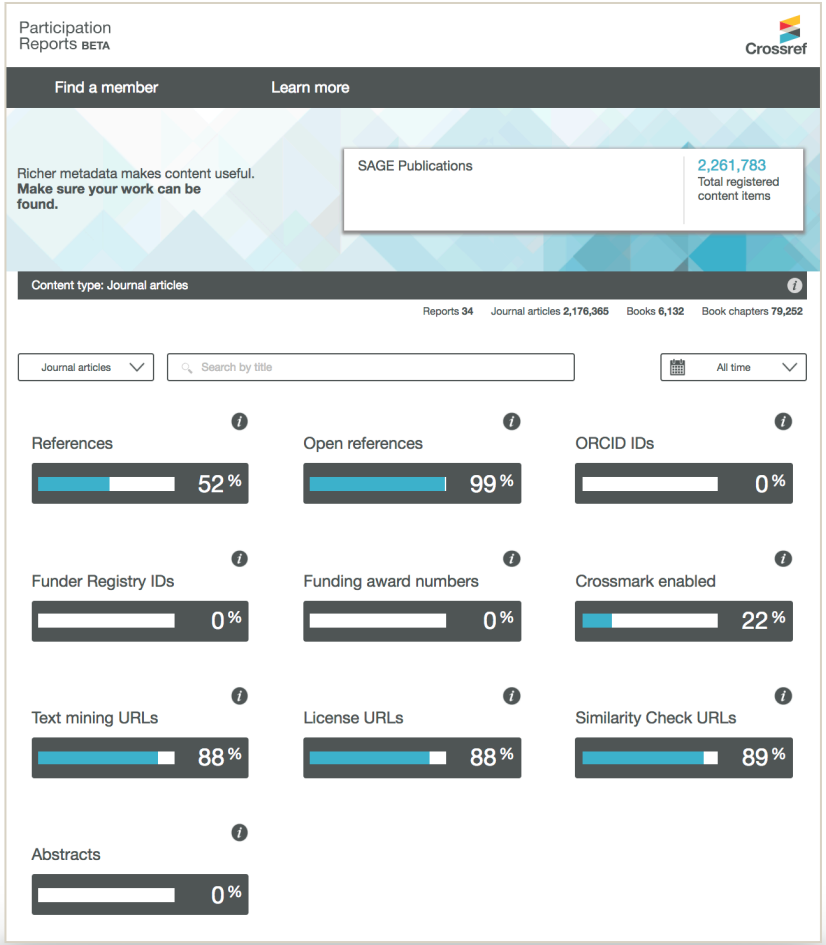
- If you do not see a publisher on this list, then their references are not 'Closed'. Check the 'Open' list and if not there either, they are 'Limited'.
- Not all members deposit references with the rest of their metadata—around one third do include them (3068 out of our 10,861 members). The table below lists all members with the Closed setting, they do not necessarily deposit any references. Click the headings to sort.
- Some members have more than one prefix, and some may be Closed but other prefixes not. This could be because a prefix is used for a specific content type that doesn't generally have references e.g. datasets or components.
- This table updates with every build of this website, so it may be a couple of days out of date. Check the date at the bottom of this page.
- 'Backfiles' are anything older than two years. 'Current' is the last two years, rolling.

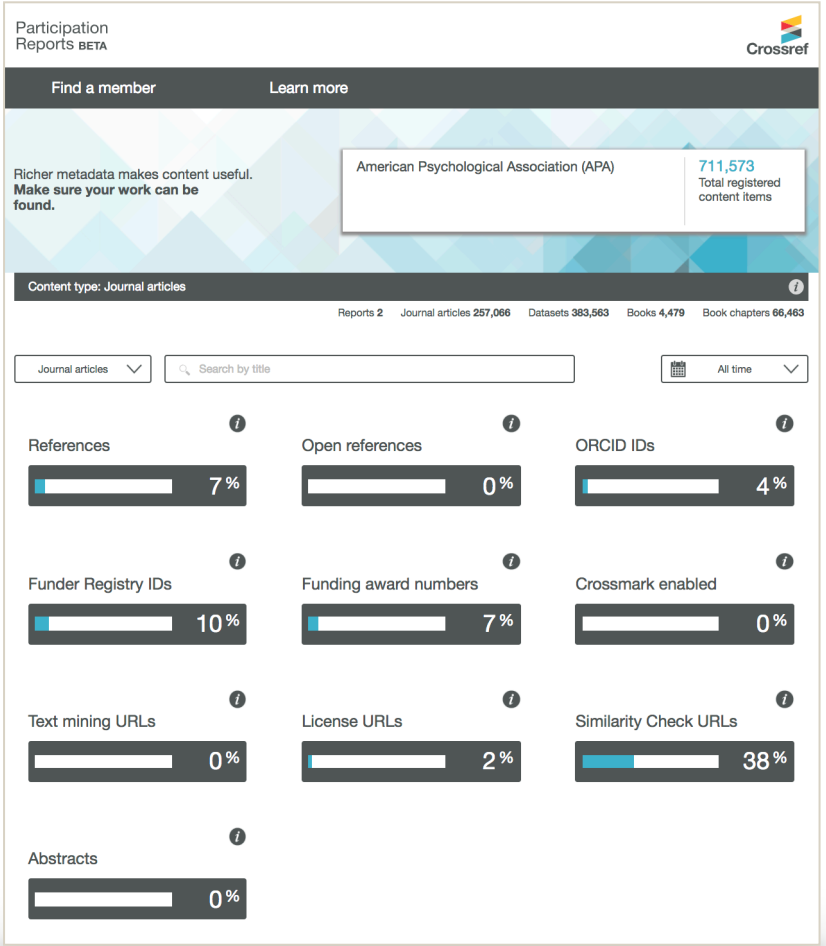
Total rows 31

CSV

Member Name & ID	Sponsored ▲ member & prefix	Reference Visibility	Total Backfile DOIs	Total Current DOIs	Deposits Backfile References	Deposits Current References
American Chemical Society (ACS) (ID 316)	American Chemical Society 10.26434	open	1384810	142604	true	true
	American Chemical Society 10.1021	closed				

crossref.org/members/prep





Other relations

```
"is-preprint-of": 20478,
"is-referenced-by": 14104,
"is-review-of": 12651,
"has-preprint": 8533,
"is-identical-to": 7826,
"is-supplemented-by": 7130,
"references": 5325,
"has-review": 3948,
"is-part-of": 2185,
"is-variant-form-of": 1118,
"is-version-of": 1011,
"is-replaced-by": 948,
"is-supplement-to": 810,
"is-related-material": 689,
"has-part": 192,
"has-related-material": 124,
"is-translation-of": 65,
"is-based-on": 26,
"has-translation": 22,
"is-data-basis-for": 7,
"continues": 6,
"is-documented-by": 5,
"is-basis-for": 5,
"is-continued-by": 3,
"is-reply-to": 1,
"has-version": 1,
"has-comment": 1,
"documents": 1
```

Crossref
Crossmark

addendum
clarification
correction
corrigendum
erratum
expression_of_concern
new_edition
new_version
partial_retraction
removal
retraction
withdrawal

Crossref
Event Data

Current sources

Data source	Event type
Cambia Lens	Citations in Patents
Crossref Metadata	Links to DataCite registered content
DataCite Metadata	Links to Crossref registered content
Hypothes.is	Annotations in Hypothes.is
Newsfeed	Discussed in blogs and media
Reddit	Discussed on Reddit
Reddit Links	Discussed on sites linked to in subreddits
Stack Exchange Network	Discussed on StackExchange sites
Twitter	Mentions in tweets
Wikipedia	References on Wikipedia pages
Wordpress.com	Discussed on Wordpress.com sites

http://api.eventdata.crossref.org/v1/events?mailto=ginny@crossref.org&rows=0&source=newsfeed&facet=subj-id.domain:15


```
"www.eurekalert.org": 12392,
"www.sciencenews.org": 11592,
"phys.org": 11085,
"theconversation.com": 10181,
"www.curiousmeerkat.co.uk": 7782,
"www.scientificamerican.com": 7379,
"www.sciencedaily.com": 6862,
"www.euroscientist.com": 6238,
"www.nationalelfservice.net": 5307,
"speakingofresearch.com": 5178,
"www.sbpdiscovery.org": 5075,
"cosmosmagazine.com": 5049,
"retractionwatch.com": 4992,
"sciencetrends.com": 4822,
"www.technology.matthey.com": 4436,
"academic.oup.com": 4365,
"blog.addgene.org": 4187,
"blog.f1000.com": 3870,
"brokensymmetryblog.wordpress.com": 3636,
"www.nature.com": 3615
```

http://api.eventdata.crossref.org/v1/events?mailto=ginny@crossref.org&rows=0&source=newsfeed&subj-id.domain=www.theguardian.com&facet=obj-id.prefix:*

```
10.1038: 418, Springer
10.5281: 255, Zenodo
10.1136: 45,  BMJ
10.1080: 36,  Taylor & Francis
10.1371: 27,  PLOS
10.1111: 27,  Wiley
10.2139: 25,  Elsevier (SSRN)
10.1007: 19,  Springer
10.1002: 16,  Wiley
10.3354: 9,   Inter-Research Science Center
10.5772: 8,   InTechOpen
10.1056: 7,   NEJM
10.3389: 5,   Frontiers
10.1098: 4,   Royal Society
10.7717: 3,   PeerJ
10.1086: 3,   University of Chicago Press
```

Crossref
Event Data

http://
api.eventdata.crossref.org
/v1/events?
mailto=ginny@crossref.or
g&rows=10&obj-
id.prefix=10.1155


```
"license": "https://creativecommons.org/publicdomain/zero/1.0/",
"terms": "https://doi.org/10.13003/CED-terms-of-use",
"updated_reason": "https://evidence.eventdata.crossref.org/announcements/
2018-04-26T00-00-00Z-ED-16.json",
"updated": "edited",
"obj_id": "https://doi.org/10.1155/2017/4269575",
"source_token": "45a1ef76-4f43-4cdc-9ba8-5a6ad01cc231",
"occurred_at": "2017-02-17T16:14:31Z",
"subj_id": "http://twitter.com/mtfysio/statuses/832624277845323776",
"id": "e787a2cd-acb7-423e-b29d-523be66cf079",
"evidence_record": "https://evidence.eventdata.crossref.org/evidence/
20170217e92ef5ce-24fc-4003-bf09-22ae854540e1",
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"subj": {
"pid": "http://twit
"title": "Tweet 832
"issued": "2017-02-
"author": {
"url": "http://www.
},
"original-tweet-url
832555216788660225"
"original-tweet-author": "http://www.twitter.com/muscletechnetwo",
"alternative-id": "832624277845323776"
```
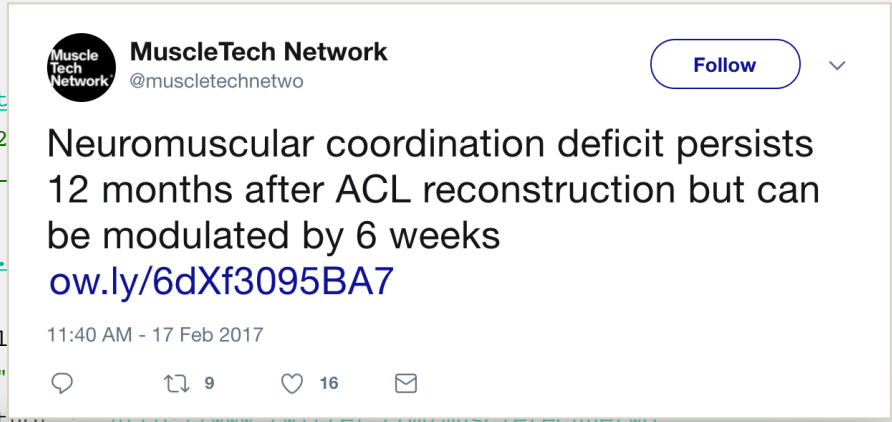




What’s next?

Strategic activities

- Simplify and enrich services
- Expand our constituencies
- Improve our metadata
- Collaborate and partner

Improve our metadata

Recently completed

- Participation reports phase 1
- Improvements to OJS integration
- Metadata Manager (Beta)
- New membership terms to emphasize metadata maintenance (effective 2019)

Ongoing

- Metadata 'Health checks' walk-throughs
- Research Organizations Registry (ROR)
- Pilot grant IDs
- Data citations outreach
- Expand Event Data deposit capabilities
- Service Provider relationship-building
- Metadata Manager phase 2
- Public statistics dashboard

Scheduled

- Emerging/small publisher education strategy
- Overhaul Service Providers program
- Crossmark relaunch
- Metadata Quality Framework
- New content types, incl. conferences, grants, blogs, patents, web resources, and videos
- Standard Crossref DOI widget
- New relationship taxonomy
- Public feedback channel for metadata issues
- Metadata Principles and Best Practice defined
- Participation reports phase 2

R&D

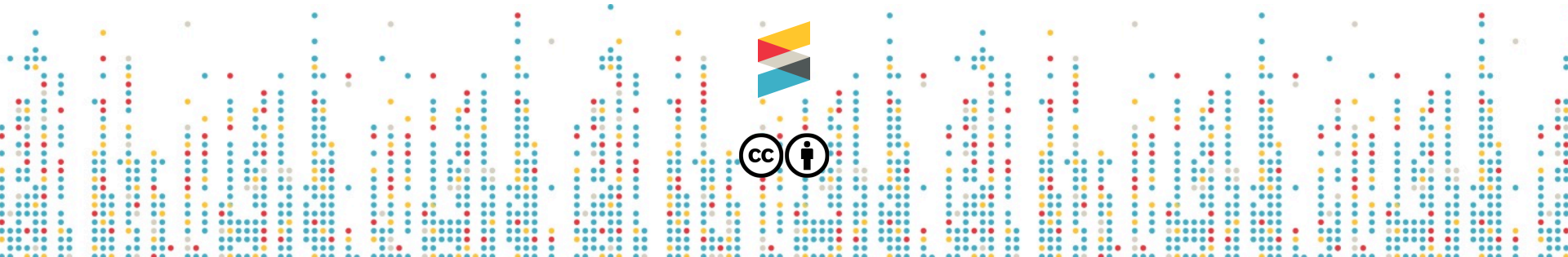
- Automating metadata extraction, preflight checking
- Enhanced reference matching
- Metadata profiling

Improving Crossref citation data

- Help small publishers: OJS plugin improvements; metadata manager deposit tool (Beta)
- Education and awareness for medium and larger ones: Metadata 2020; participation reports; *evidence* of increased discoverability

What else would you like to see?

PIDapalooza

Thanks

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@ginnyLDN
@gin@scholar.social | @ginny@scicomm.xyz