



ORCID集成:技术视角

INTEGRATING WITH THE ORCID API

19 APRIL 2017



Connecting Research
and Researchers

ALAINNA THERESE WRIGLEY 黎爱莲
Senior ORCID Community Team Specialist
community@orcid.org | orcid.org/0000-0002-6036-0903

ORCID.org



每个ORCID
iD号有相应
的记录
EVERY iD
HAS A
RECORD



Wei Zhang

ORCID ID

<https://sandbox.orcid.org/0000-0003-3009-4952>

[查看公开版本](#)

为您的 ID 获取 QR 码

也称为

Zhang Wei, 张伟, 张俸

国家/地区

中国
中国香港特别行政区
南极洲

关键字

北极学, arctic science

网站

个人经历

电子邮件

zhangwei@mymail.net
zw356@hit.edu.cn

其他 ID

ResearcherID: B-6736-2010
VIVO profile page at US EPA: n12661

Personal data

简历

Wei Zhang (PhD) is a Visiting Scientist at NERC-BAS.

教育程度 (2)

+ 添加教育程度

排序

University of California Los Angeles: Los Angeles, CA, 美国

2009 至 2012

PhD

源: Wei Zhang

已创建: 2017-06-18

Tongji University: Shanghai, Shanghai, 中国

2005 至 2009

源: Wei Zhang

已创建: 2017-06-18

就业状态 (1)

+ 添加就业状态

排序

British Antarctic Survey: Cambridge, Cambridgeshire, 英国

2016-08 至 当前

源: Wei Zhang

已创建: 2017-06-13

资助 (1)

+ 添加资金快照

排序

First item: Title of the funded project

Research Grants Council, University Grants Committee, Hong Kong (Hong Kong, 中国香港特别行政区)

2013-10 至 2015-01 | 授权

授权编号: GrantID:12345

备用 URL: <http://url.gov.hk/alternate-url-for-grant-info>

源: My Institution

首选源

成果 (1)

+ 添加成果

Export works

排序

A Case of Type 2 Hereditary Angioedema With SERPING1 Mutation

Allergy Asthma Immunol Res

2017-01 | journal-article

DOI: 10.4168/aa.2017.9.1.96

OTHER-ID: 0166AAIR/2017.9.1.96

PMC: PMC5102842

PMID: 27826968

URL: <http://www.koreamed.org/article/0166AAIR/2017.9.1.96>

源: KoreaMed

首选源

同行评论 (2)

+ 添加同行评论

排序

review activity for Wellcome Trust(2)



(获授权后)

使用API来 更新研究人员的 ORCID记录 UPDATE ORCID RECORDS USING API



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同行评论 (2)

review activity for Wellcome Trust(2)

为什么要帮研究人员更新ORCID记录？

WHY UPDATE RECORDS WITH API?

For researchers:

- Saves time!
- Alleviates mistaken identity
- Builds trust in the data: other systems update the researcher's ORCID record, with the source as them – not the researcher only.
- Improves recognition of research outputs
- Research owns and controls their own record, and can choose who and what can access the record and data on it.

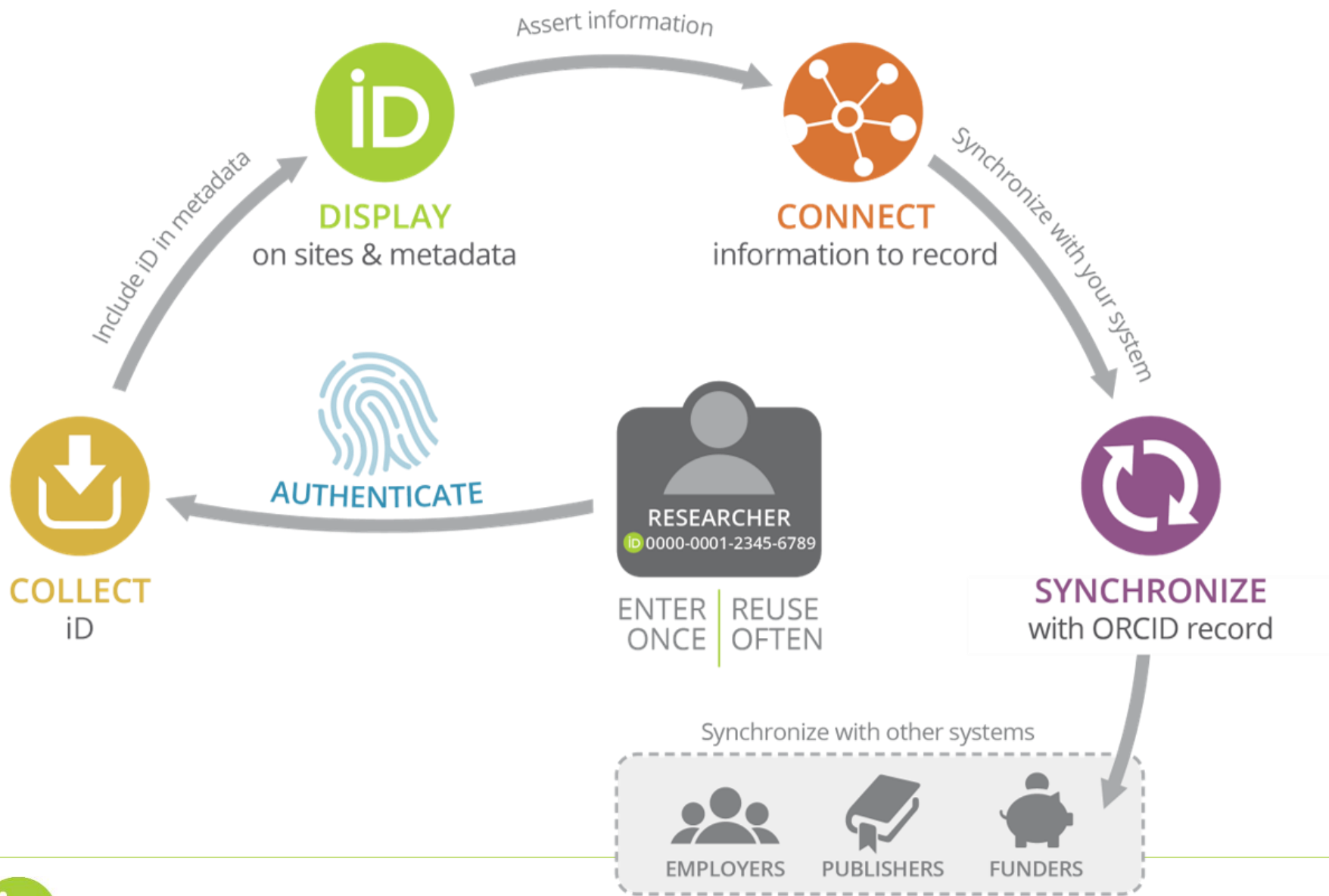
For Institutions:

- No guesses – researcher grants access, and you obtain ORCID iD via API
- Validate your researchers' affiliation, awards, works, or peer review
- Enable automatic updates for reporting
- Maintain connections after researchers leave institution or change name
- Ensures your researchers comply with publishers, funders, etc. requiring ORCID

ORCID API

API	Features
Member API ORCID member organizations (<i>Sandbox test environment freely available to anyone</i>)	<ul style="list-style-type: none">• One (1) set of API credentials (integration)• Read (Limited): Search/retrieve limited-access data• Add: Post new data to a record• Update: Edit or delete data you previously added
Premium Member API Premium ORCID member organizations	<ul style="list-style-type: none">• Five (5) sets of API credentials (integrations)• Webhooks: Receive notifications of updates• Customised monthly reports (including email stats)• Access to monthly public data file

收集及连接计划 COLLECT & CONNECT



RESEARCH INSTITUTIONS



PUBLISHERS



Connects ORCID iD to manuscript during submission



Publisher

Displays ORCID iDs in author/reviewer profile and in article

Embeds ORCID iDs in metadata when manuscript



Publisher

Updates researchers' ORCID records with article and peer review activity

Continue to update records if any changes

COLLECT validated iDs



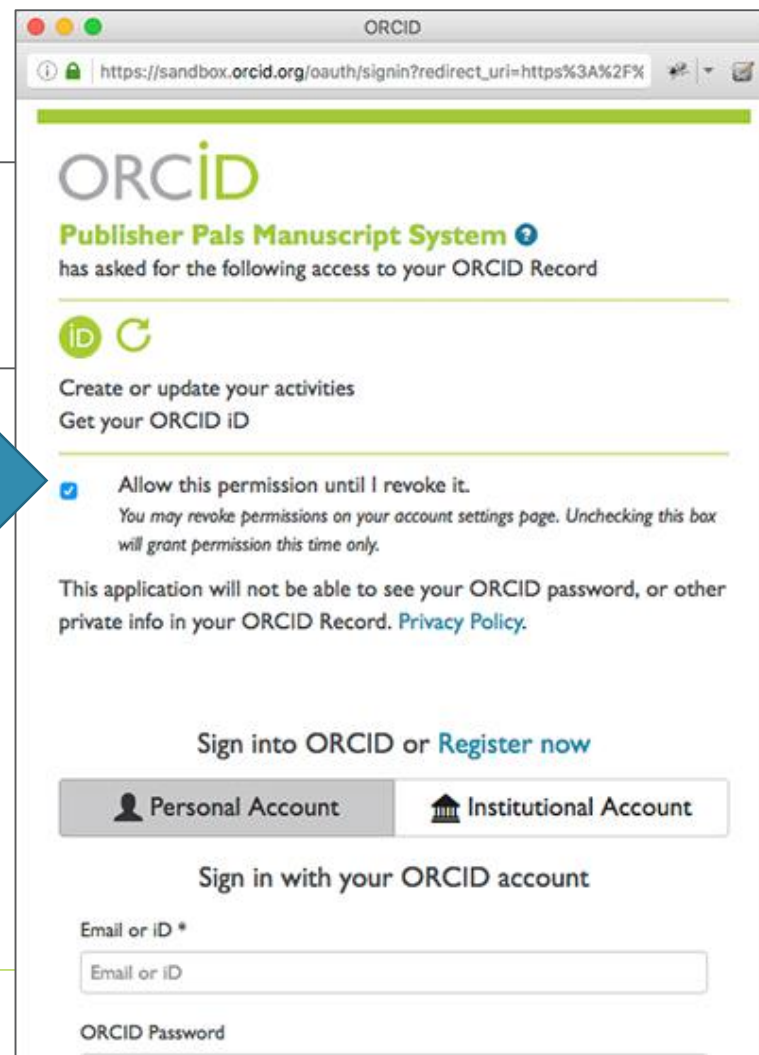
It all starts here!

 Create or Connect your ORCID iD



User clicks a link/button on your site, then signs into ORCID (or creates new iD)

[See a live demo!](#)





ORCID

https://sandbox.orcid.org/oauth/signin?redirect_uri=https%3A%2F%2F...

ORCID

Publisher Pals Manuscript System

has asked for the following access to your ORCID Record



 

Create or update your activities
Get your ORCID iD

☒ Allow this permission until I revoke it.
You may revoke permissions on your account settings page. Unchecking this box will grant permission this time only.

This application will not be able to see your ORCID password, or other private info in your ORCID Record. [Privacy Policy](#).

Sign into ORCID or [Register now](#)

 Personal Account  Institutional Account

Sign in with your ORCID account

Email or iD *

Email or iD

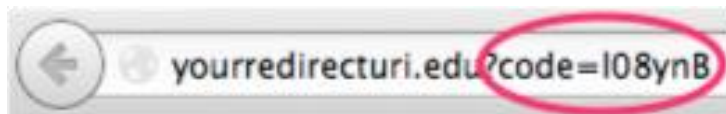
ORCID Password



Learn more:

- ORCID workflows: <https://members.orcid.org/api/workflow>
- ORCID integration points: <https://members.orcid.org/api/integrate>

COLLECT validated iDs



We send the researcher back to a page on your site, with an authorization code added to the URL

Your system exchanges that code for an access token + researcher's ORCID iD + more

```
{ "access_token": "0a3ac65f-f8a7-4257-b605-aff0ab37d464",  
  "token_type": "bearer", "refresh_token": "16d75d2d-bb75-4087-  
8a01-685e5f03faf8", "expires_in": 631138518, "scope": "/read-  
limited /person/update /activities/update", "orcid": "0000-  
0003-4153-0078" }
```

COLLECT validated iDs



Store iDs, access tokens, and other token response data in your system – you'll need these to **DISPLAY**, **CONNECT** and **SYNCHRONIZE** (i.e.: get data from or add data to ORCID)

Researcher Database	
Name	<input type="text" value="Sofia Maria Hernandez Garci"/>
ORCID iD	<input type="text" value="http://orcid.org/0000-0001-8753-0888"/>
ORCID Access Token	<input type="text" value="2201874e-f239-4779-a56f-1b2c3d4e5f6a"/>
Faculty ID	<input type="text"/>

DISPLAY: IDS IN YOUR SYSTEM



Profile		iDs in profiles: EdUHK
	Name:	DENG, Wenjing
	Chinese Name:	鄧文靖
	Title:	Assistant Professor / Department of Science and Environmental Studies
	Affiliation:	Department of Science and Environmental Studies
	Related Links:	Scopus:55332227600 http://orcid.org/0000-0001-5383-5595
Variants:	Deng, W. Deng, W. J.	

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ORCID

Ángel Eliezer Bravo-Monzón  <http://orcid.org/0000-0001-7172-0302>

Francisco J. Espinosa-García  <http://orcid.org/0000-0001-9173-1957>

References

Borowiec, L. (2002). New records of Neotropical Cassidinae, with description of three r

iDs in journals:
Biocontrol Science and
Technology, Taylor & Francis



CONNECT



Remember those Access Tokens you stored?

Now you can use them to make API requests:

- Get data
 - Add data
- Per permissions you requested back at the COLLECT step

▼ 就业状态 (1)

Shanghai Jiao Tong University: Shanghai, 中国
2015 至 当前
源: Shanghai Jiao Tong University

▼ 成果 (13)

Soft magnetic composites with enhanced performance and their key production technologies
Journal Title
2017 | journal-article
DOI: 10.1631/jzus.A17NT001
URL: <http://www.zju.edu.cn/jzus/article.php?doi=10.1631/jzus.A17NT001>
源: Journal of Zhejiang University-SCIENCE A



✔ 首选源



SYNCHRONIZE



...and keep adding/getting data whenever it changes in your system, or in ORCID

- Access Tokens are long-lived (20 years)
- **Webhooks** can notify your system when ORCID records you're watching change
- Create internal triggers: change in employment status, degree award, correction of publication, funding award update

RESOURCES

API comparison chart

<https://orcid.org/about/membership/comparison>

Member Support Centre

<https://members.orcid.org>

ORCID API documentation

<https://members.orcid.org/api>

ORCID API documentation

<https://members.orcid.org/api/workflow>

ORCID API users listserv

<https://groups.google.com/group/orcid-api-users>

ORCID message (XSD) (Github)

<https://git.io/vXw5w>

Questions?
support@orcid.org

