

# Connecting with Persistent Identifiers to Maximize Impact and interoperability

2<sup>nd</sup> November 2021

Connected Research: Persistent Identifiers (PIDs) Practices for Researchers and Organizations in Korea (in English and Korean)

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**Engagement Manager Global Direct Members**

<https://orcid.org/0000-0002-3207-0527>



# Takeaways

After this session, you should:

1. Understand what ORCID is and how it can benefit researchers
2. Recognize why and how research organizations adopt ORCID in the research workflow
3. Take actions to connect ORCID iDs with other researcher identifiers and organizations IDs during the research workflow

# Why does the Research Community Connect With Persistent Identifiers?

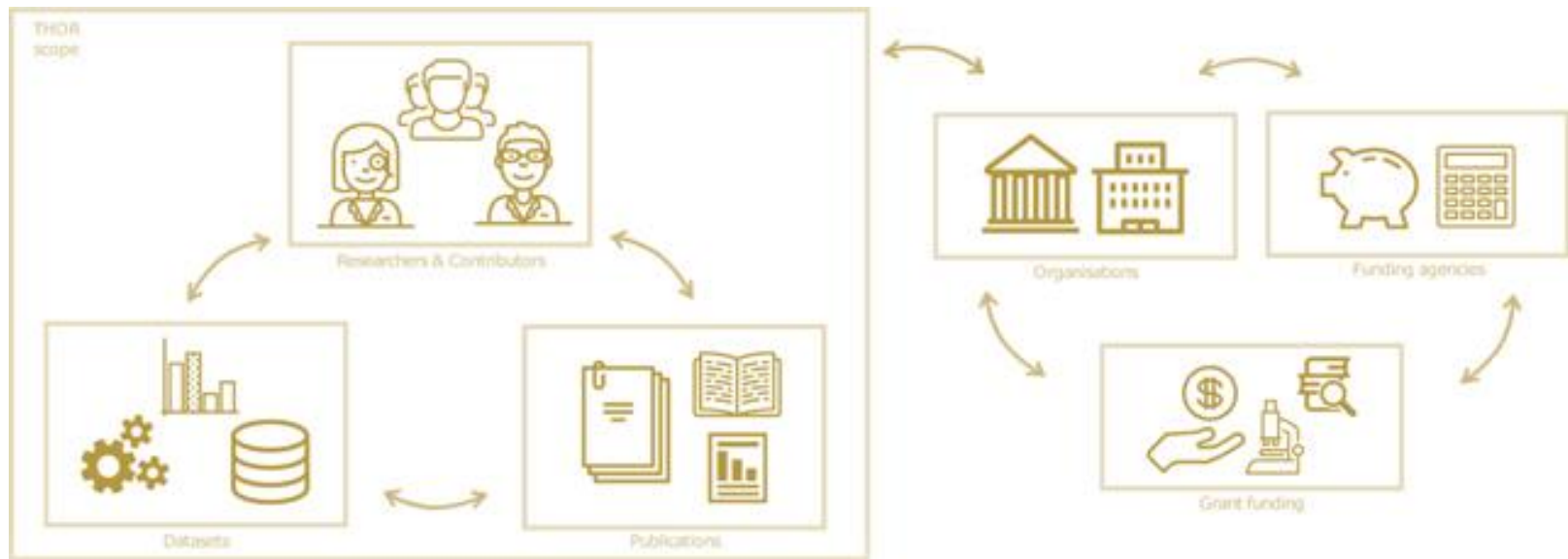
Build a trusted research information infrastructure.

# The Research Community Wants

- Researchers are accurately credited for their contributions
- Researchers can easily share electronic information about their contributions and affiliations
- Organizations can easily acquire and share research information
- Organizations are accurately cited
- Accurate search and discovery tools are available

# One of the Challenges...

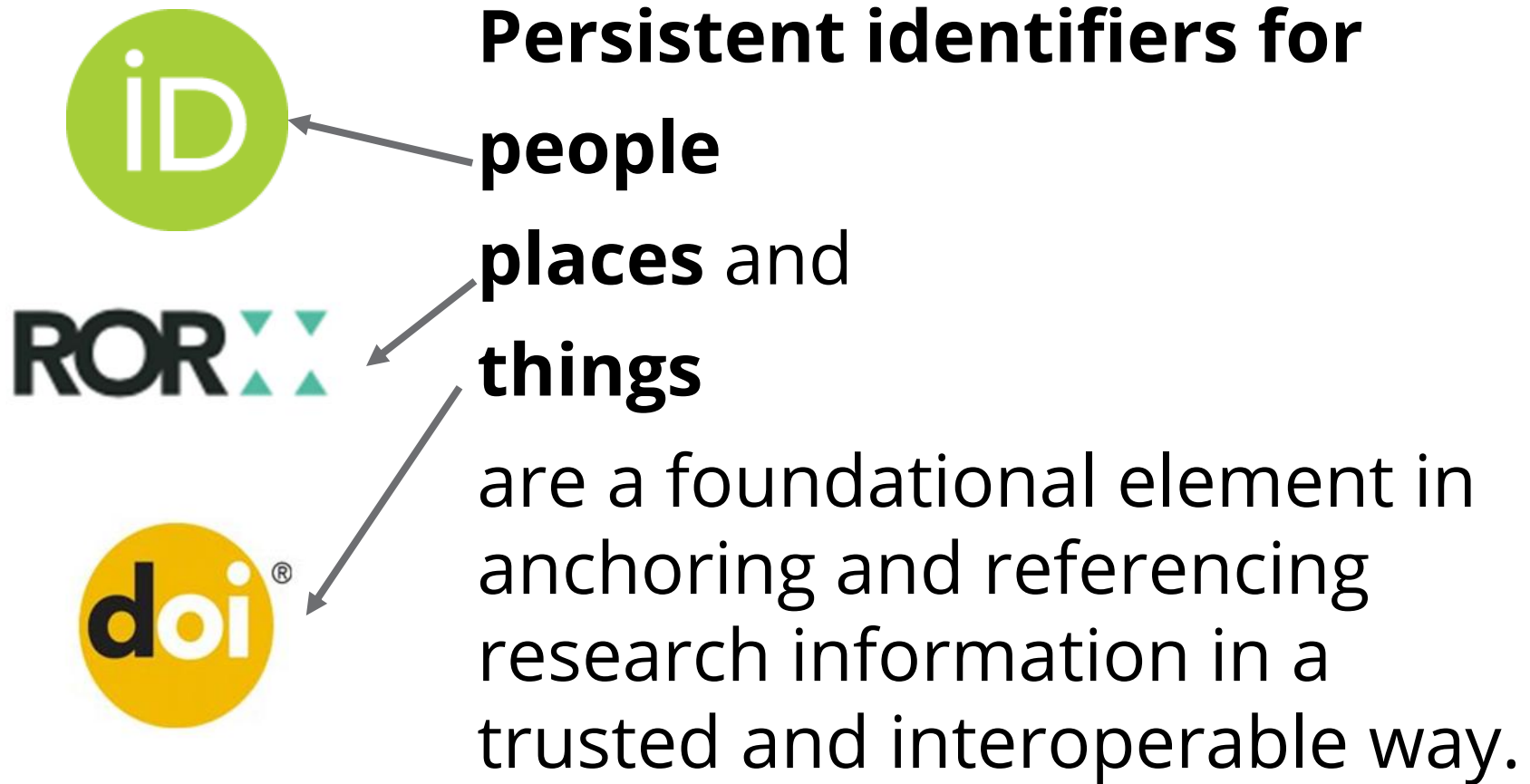
- Transcending silos.
- Connections among people, places and things are often NOT transparent, hard to identify.



# To make the vision come true

- **Open Research infrastructure** is needed for the research community
  - to share information on a global scale
  - to reduce burden on acquiring information
  - to ensure data quality for further metrics
- To start with...?

# The Value of Identifiers



# ORCID introduction



## Executive



**Chris Shillum**  
Executive  
Director

## Operations



**Sarah Hershberger**  
Director,  
Operations



**Emilia Kutrovska**  
Project  
Manager



**Padma Gopinath**  
Accountant



**Stephanie Harley**  
Events  
Coordinator



**Sandy Paparisto**  
HR  
Manager

## Engagement



**Ivo Wijnbergen**  
Director,  
Engagement



**Estelle Cheng**  
Manager  
Direct  
Member



**Brian Minihan**  
Direct  
Lead



**Ana Paty Cardoso**  
Direct  
Lead



**Shawna Sadler**  
Outreach &  
Partnership



**Gabriela Mejias**  
Consortia  
Manager



**Nabil Ksibi**  
EMEA  
Lead



**Paloma Marin-Arraiza**  
EMEA Lead



**Francisco Alsina**  
Member Support  
Technical Specialist



**Jordan Holt**  
Member Support  
Technical Specialist

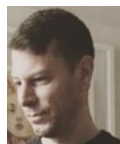
## Product



**Tom Demeranville**  
Director,  
Product



**Paula Demain**  
Product  
Mgr



**Dan Dineen**  
UX  
Specialist

## Communications



**Julie Petro**  
Director  
Comms



**Rob Blackburn**  
Web  
Producer



**Katrina Willis**  
Comms  
Specialist



**Kimberly Inniger**  
Events &  
Outreach  
Specialist

**ORCID**

<https://info.orcid.org/orcid-team/>

36 people  
16 countries  
15 languages

## Technology



**Will Simpson**  
Director,  
Technology



**George Nash**  
Tech Lead,  
New  
Projects



**Angel Montenegro**  
Tech Lead,  
Registry



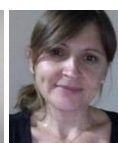
**Leo Mendoza**  
Front End  
Developer



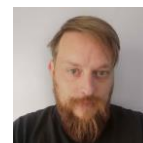
**Daniel Palafox**  
Full Stack  
Engineer



**Giles Westwood**  
Devops  
Engineer



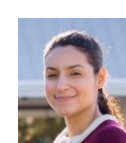
**Camelia Dumitru**  
Back-End  
Engineer



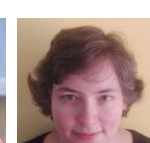
**Matt Stockman**  
User  
Support  
Manager



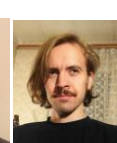
**Pedro Costa**  
QA Lead



**Thamirys Cabral**  
User  
Support  
Specialist



**Mitra Najafi-Gheidari**  
Senior User  
Support  
Specialist



**Andrej Romanov**  
User  
Support  
Specialist



**Natali Aldana**  
User  
Support  
Specialist



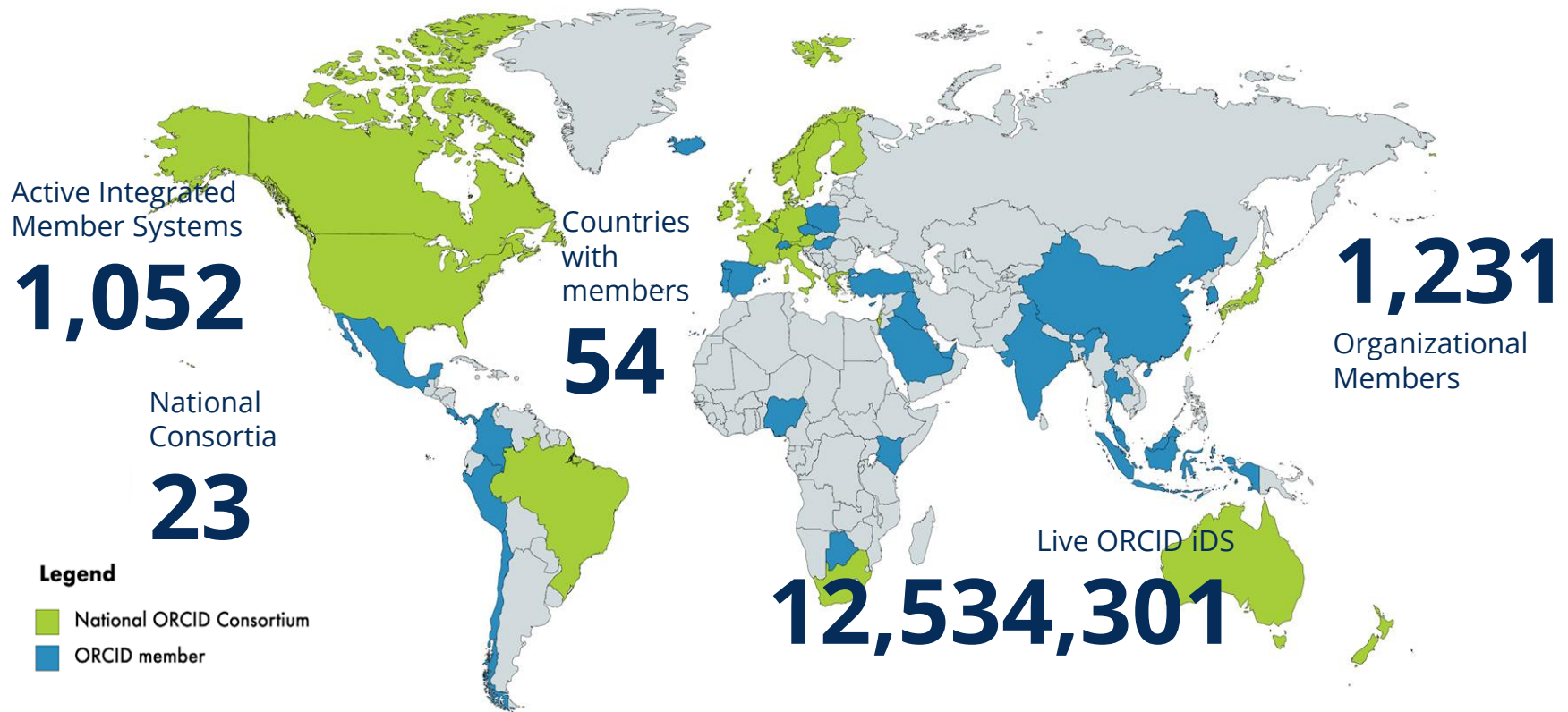
# What is ORCID?

- ORCID is a **non-profit, membership, and platform-neutral** organization registered in the U.S. ORCID is sustained by members from publishers, funders, research institutes and others
- Guided by [our values and founding principles](#)
- **Community-governed** by a Board of Directors representative of our membership
- ORCID's vision is a world where all who participate in research, scholarship, and innovation are uniquely identified and connected to their contributions across disciplines, borders, and time.





# We have reached a critical mass of global participation



# Fast Facts - ORCID in Korea

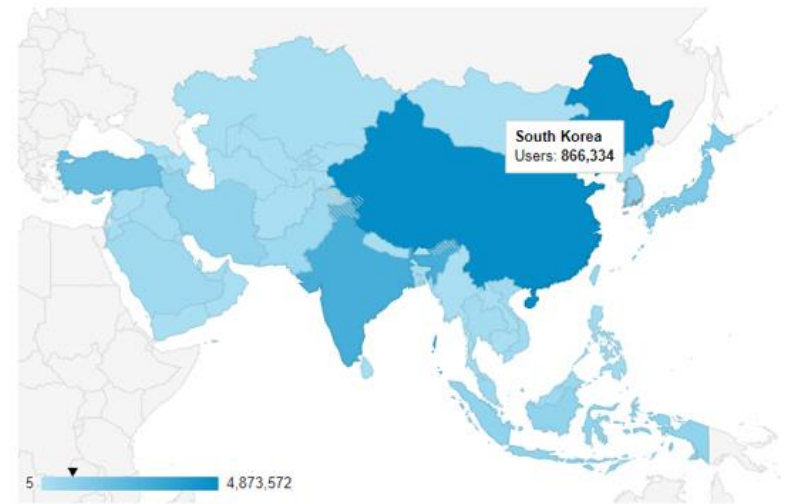


- 5 organizational members
  - Gwangju Institute of Science and Technology
  - Korea Institute of Science and Technology Information (KISTI)
  - Korea University Medicine
  - Naver Corporation
  - Yonsei University Health System

SOUTH KOREA

# Fast Facts - ORCID in Korea

- Ranks the 5<sup>th</sup> largest traffic of users to the ORCID Registry in Asia
- 65,523 ORCID records affiliated with Korea (\*actual numbers could be higher)



# Fast Facts - ORCID in Korea

- Naver ranks the 9<sup>th</sup> most frequently adopted Social Networks to the ORCID Registry

## Social Traffic

### Top Social Networks

Social Network	Sessions	ga:avgSessionDuration
<a href="#">Facebook</a>	256,028	2.40
<a href="#">Twitter</a>	84,679	0.71
<a href="#">LinkedIn</a>	50,421	1.43
<a href="#">ResearchGate</a>	35,598	1.47
<a href="#">Instagram</a>	17,841	0.74
<a href="#">YouTube</a>	11,605	2.25
<a href="#">VKontakte</a>	10,445	3.02
<a href="#">WordPress</a>	7,856	1.64
<a href="#">Naver</a>	6,856	3.82
<a href="#">Blogger</a>	6,551	2.41

[View all 69 rows](#)

# ORCID Services

# What does ORCID Provide?



**A globally unique and open identifier for researchers**



Researchers share their iD with organizations during regular research workflows



A place to store and share the resulting connections between iDs and research activities and affiliations





- **Persistent Identifier:**

 <http://orcid.org./0000-0002-2771-9344>

- No matter changes in:
  - Name?
  - Career?
  - Location?
  - Discipline?
- Your **ORCID iD** stays the same! (It's persistent)

# What does ORCID Provide?



A globally unique and open identifier for researchers

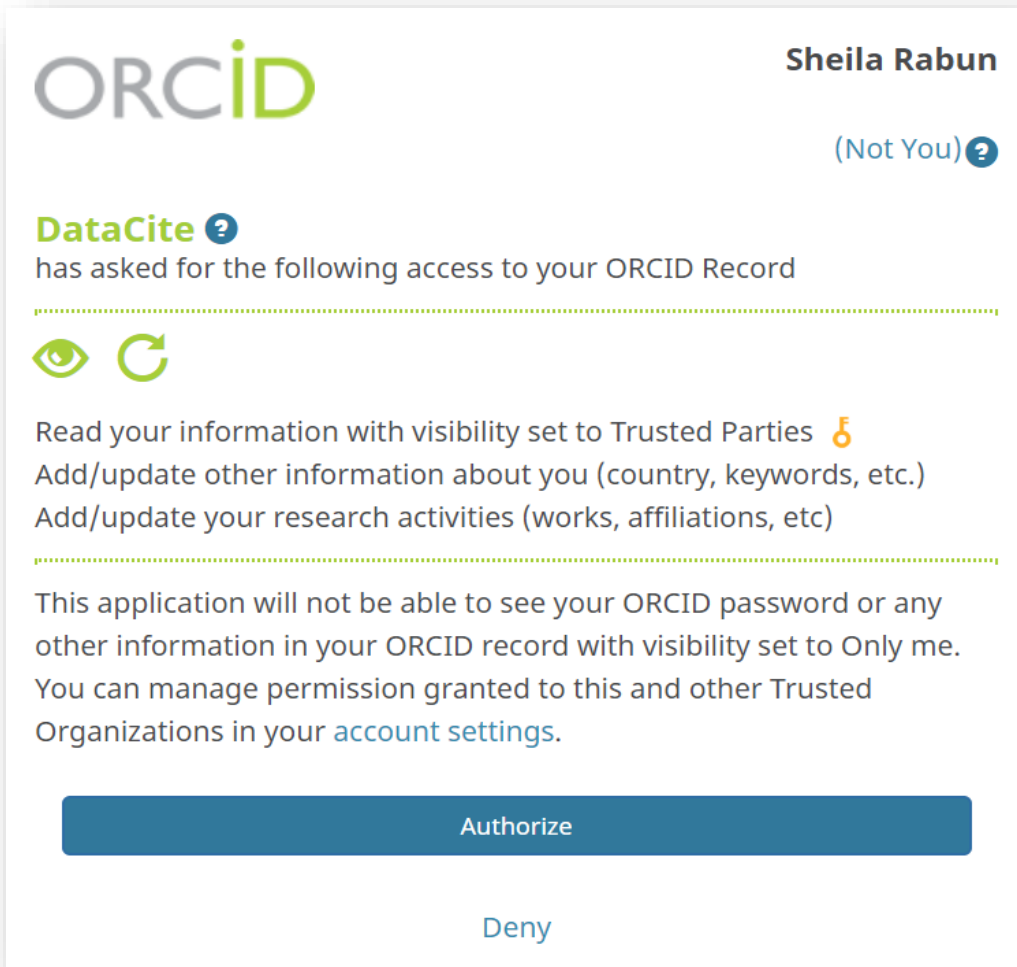


**A set of standard procedures (APIs) for connecting researchers to their affiliations and activities**



A place to store and share the resulting connections between iDs and research activities and affiliations



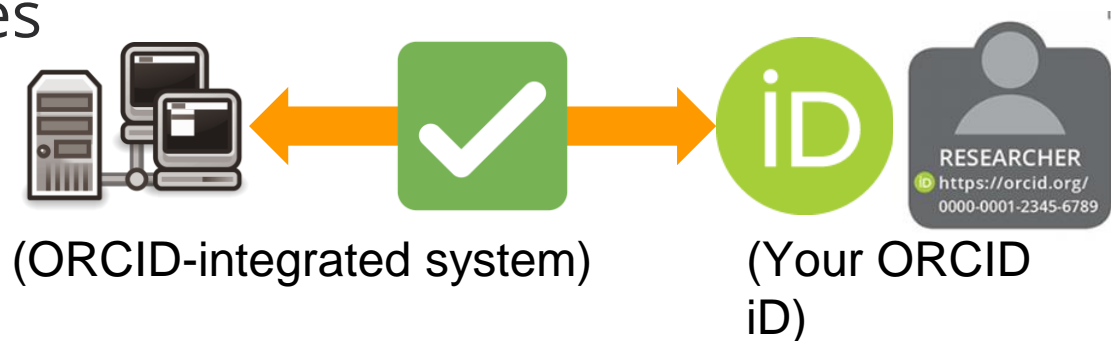


ORCID Members (Organizations) can use ORCID's API to invite researchers to share ORCID iDs via OAuth authentication.

ORCID Members can collect information from ORCID and to connect research activities to researchers' ORCID records.

# Trusted Organizations

- Service Providers
- Data Repositories
- Research Institutes
- Publishers
- Grant funders



▼ Works (10 of 10)

↑↓ Sort

Data Management Assessment and Planning Tools

2014 | book-chapter

DOI: [10.18130/V3FB8T](https://doi.org/10.18130/V3FB8T)

Source: University of Virginia

☑ Preferred source



# What does ORCID Provide?



A globally unique and open identifier for researchers



A set of standard procedures (APIs) for connecting researchers to their affiliations and activities



**A place to store and share the resulting connections between iDs and research activities and affiliations**



# Connections: affiliations

Jason Gush

## ORCID iD

 <https://orcid.org/0000-0001-8920-0452>

 Print view 

Country

## ▼ Employment (1)

Royal Society Te Apārangi: Wellington, NZ

2016-09 to present | Programme Manager -- Insights & Evaluation | ORCID (Research Funding)

Employment

**Source:** Royal Society Te Apārangi

★ Preferred source



Connecting affiliations to the researcher's ORCID account – New Zealand, Royal Society Te Apārangi



# Connections: Works

Je-Wook Yu

ORCID iD

<https://orcid.org/0000-0001-5943-4071>

## ▼ Employment (1)

Yonsei University College of Medicine: Seodaemun-gu, Seoul, KR

2012-03-01 to present | (Microbiology and Immunology)

Employment

Source: Je-Wook Yu

★ Preferred source

Non-invasive in vivo imaging of caspase-1 activation enables rapid and spatiotemporal detection of acute and chronic inflammatory disorders

2020 | journal-article

DOI: [10.1016/j.biomaterials.2019.119543](https://doi.org/10.1016/j.biomaterials.2019.119543)

URI: [22282913/174897](https://pubmed.ncbi.nlm.nih.gov/31634653/)

PMID: 31634653

Source: Yonsei University Medical Library

★ Preferred source



Connecting professional activities to the researcher's ORCID account –Yonsei University Medical Library



# Connections: Funding

▼ Funding (10)

↕ Sort

二維剛性圓柱體與彈性平面吸引接觸之數值分析

長庚大學機械工程學系(所) (Taoyuan)


Grant

GRANT\_NUMBER: NSC98-2221-E182-019

URL: <http://grbsearch.stpi.narl.org.tw/search/planDetail2?projkey=PB9807-2064>

**Source:** Chang Gung University

★ Preferred source



Connecting grants to the researcher's ORCID account – Chang Gung University





# Connections: Peer Review

Review date	Type	Role	Actions	
2020-08-06	review	reviewer	<a href="#">hide details</a>   <a href="#">view</a>	
<b>Review identifier(s)</b>	<b>Convening organization</b>	<b>Review subject</b>	<b>Added</b>	<b>Last modified</b>
SOURCE-WORK-ID: <u>1547</u>	OAE Publishing Inc. (Beijing, CN)	<u>(journal-article)</u> Cancer Drug Resistance.	2020-08-06	2020-08-06
Source: OAE Publishing Inc.		★ Preferred source		

2020-08-06	review	reviewer	<a href="#">hide details</a>   <a href="#">view</a>	
<b>Review identifier(s)</b>	<b>Convening organization</b>	<b>Review subject</b>	<b>Added</b>	<b>Last modified</b>
SOURCE-WORK-ID: 1549	OAE Publishing Inc. (Beijing, CN)	(journal-article) Cancer Drug Resistance.	2020-08-06	2020-08-06
Source: OAE Publishing Inc.		★ Preferred source		



Connecting peer reviews to the researcher's ORCID account – OAE Publishing Inc.



# ORCID for Organizations

Improving the flow of research information



# Global Trends: Research Institutions

**Save reporting time for researchers, improve ability to evaluate research outcomes**

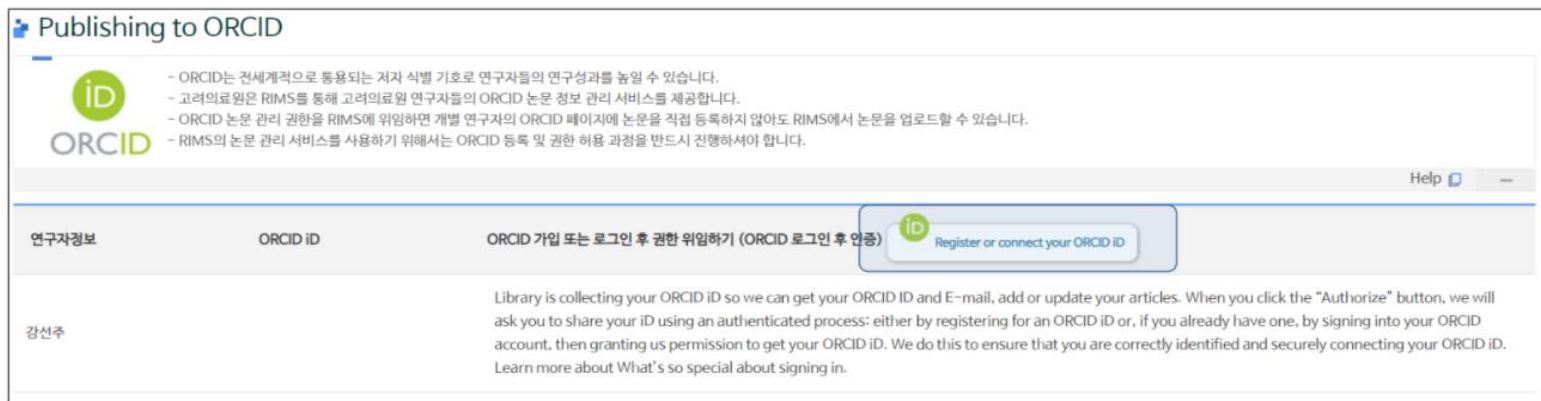
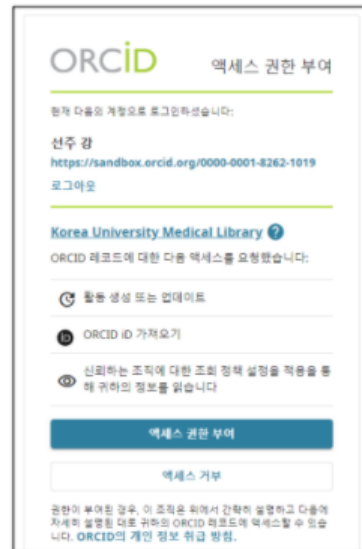
- Over 700 research institutions are members of ORCID and are actively integrating ORCID into personnel and reporting workflows.
- ORCID can be adopted using various systems
  - Human Resource systems
  - Research Information Management Systems
  - Repositories
  - Publishing Systems and more



Source: <https://orcid.org/organizations/funders/policies>

# Use Case: Korea University Medicine

- Korea University Medicine Research Information Management Service System



# Use Case: Korea University Medicine

- Connects Researchers' research works from the RIMS to their ORCID Records

The screenshot displays the ORCID iD profile of Won Jin Lee. The header includes the ORCID logo, the tagline "Connecting research and researchers", and a search bar. The user's name "Won Jin Lee" and a "Printable version" link are visible. The profile is divided into sections: "Activities" (with a "Collapse all" link) and "Works (50 of 164)". The "Employment (1)" section lists "Korea University College of Medicine and School of Medicine: Seoul, KR" as a Professor in the Department of Preventive Medicine, with a "Show more detail" link. The "Works" section shows a list of publications, with the first entry titled "Projected lifetime cancer risk from cone-beam computed tomography for orthodontic treatment". This entry includes metadata such as the journal name "대한지과교정학회지", date "2021-05", DOI "10.4041/jipd.2021.51.3.189", WOSUID "000652426400006", EID "2-s2.0-85107349830", and OTHER-ID "KU MEDICINE-RART0045073". The "Source" field for this work is "Korea University Medicine Research Information Management Service System", which is highlighted with a red box.

ORCID  
Connecting research and researchers

Chieh-Chih Estelle Cheng English

Search...

Printable version

Name  
**Won Jin Lee**

Activities [Collapse all](#)

▼ Employment (1) [Sort](#)

Korea University College of Medicine and School of Medicine: Seoul, KR

Professor (Department of Preventive Medicine)  
Employment [Show more detail](#)

Source: Won Jin Lee

▼ Works (50 of 164) [Sort](#)

Items per page: 50 1 - 50 of 164 < >

Projected lifetime cancer risk from cone-beam computed tomography for orthodontic treatment [Show more detail](#)

대한지과교정학회지  
2021-05 | journal-article  
DOI: 10.4041/jipd.2021.51.3.189  
WOSUID: 000652426400006  
EID: 2-s2.0-85107349830  
OTHER-ID: KU MEDICINE-RART0045073

Source: Korea University Medicine Research Information Management Service System



# Global Trends

## Publishers

- Publishers and repositories around the world use DOIs and ISBNs to persistently identify journals, datasets, and books
- At least Over 7,138 publisher and journal systems currently collect ORCID iDs during manuscript submission [[video](#)]. Many are also using ORCID for peer review.

## Publishing Systems

- Supported ORCID features and configuration steps vary by system

Editorial Manager/Prodxion Manager

Open Journal Systems

ScholarOne Manuscripts

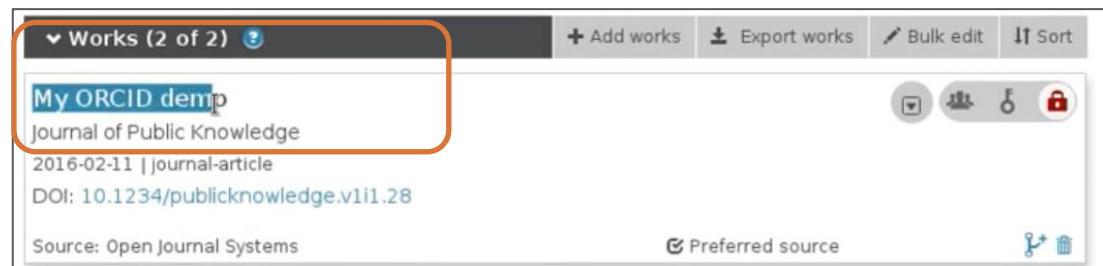
eJournalPress

ReView



# Use Case: Open Journal System

- OJS is an open-source software application for managing and publishing scholarly journals.
- An ORCID Certified System.
- Publishers can connect published works directly to an author's ORCID record with the author's permission.



# Use Case: TsingHua University Press

- Adopting ORCID into the customized author service profile system

The screenshot displays a login interface for 'Academic Journal'. The left side features a dark blue background with the text 'Welcome to Academic Journal' and a brief description of the journal's mission. The right side is a white login form with fields for 'Your Email', 'Password', and 'Verification Code'. A 'Remember password' checkbox and a 'Forgot password?' link are also present. Below the login fields is a 'Sign In' button. At the bottom, there is an option to 'Or Login With' ORCID, represented by the ORCID logo, and a 'Register' link for new users.

Welcome to Academic Journal

Experts and scholars at home and abroad hand in hand and the local editor, forge a strong professionalism, discipline knowledge and experienced service team.

Login

Your Email \*

Please enter your Email

Password \*

8-20 bit Password, case sensitive

Verification Code \*

Input code in the picture

Remember password

Forgot password?

Sign In

Or Login With

iD

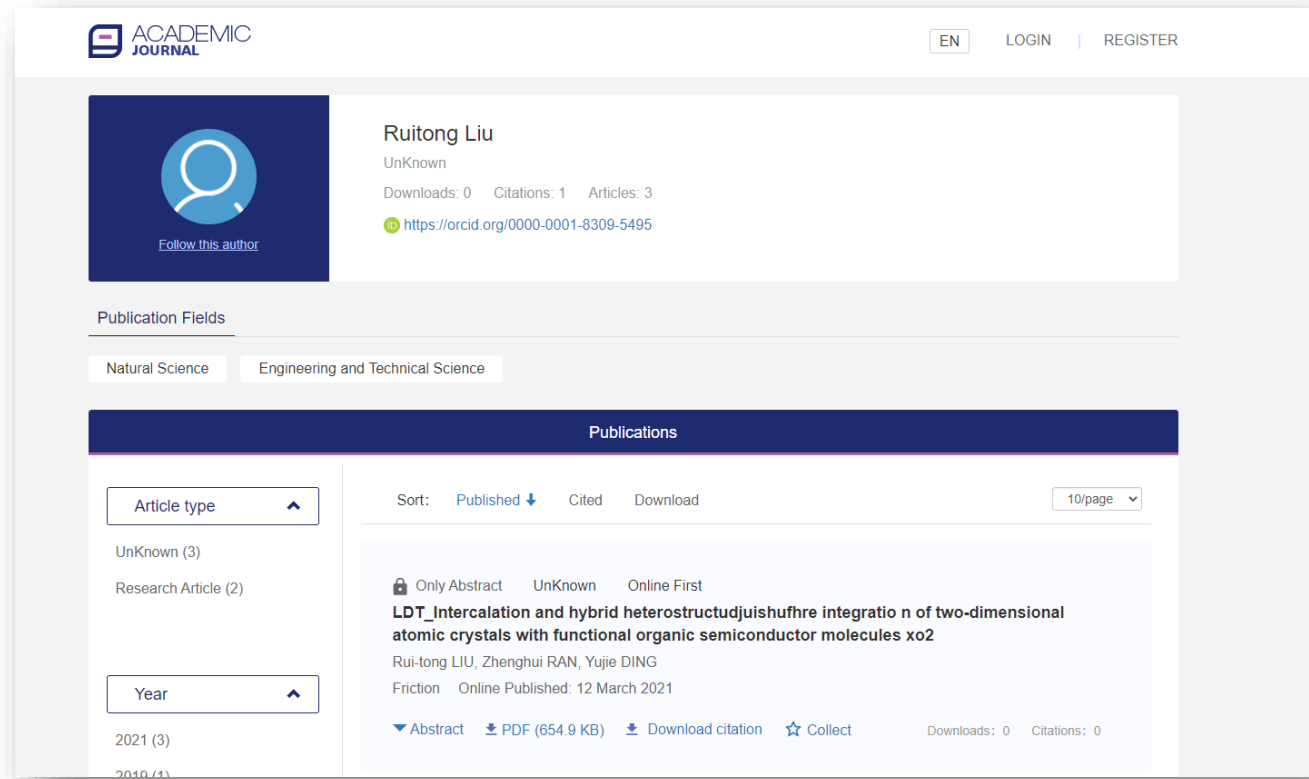
Don't have an account? Register





# Use case: Tsinghua University Press

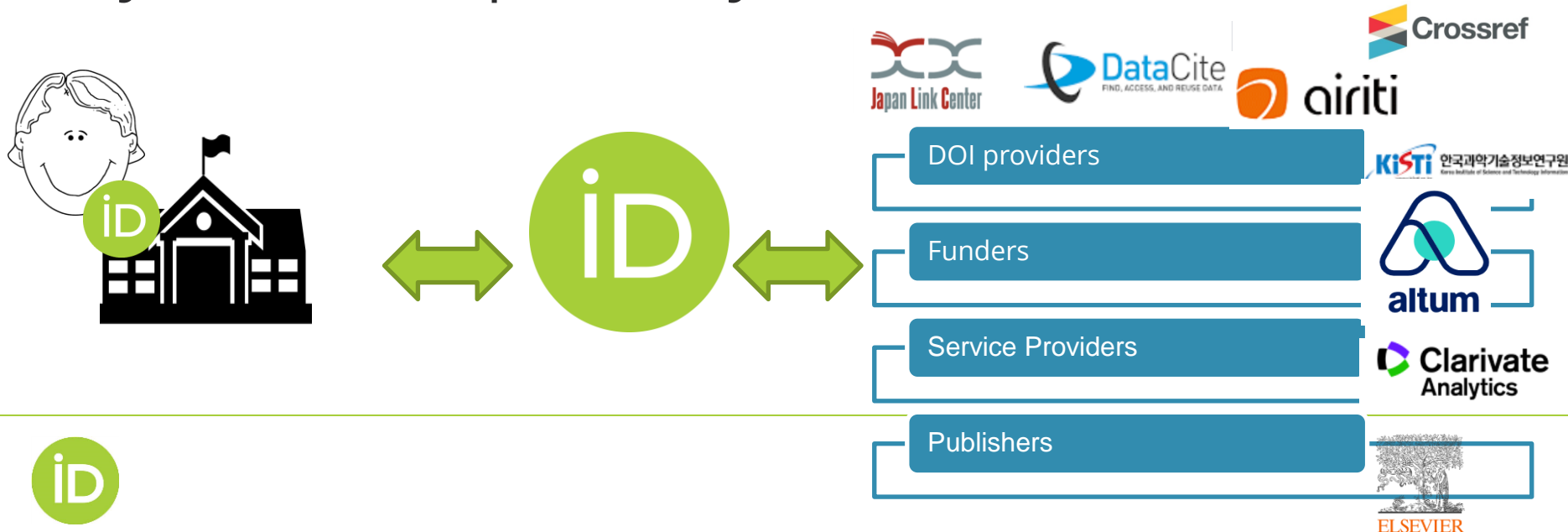
- Connects Publication Information to researcher's ORCID Records



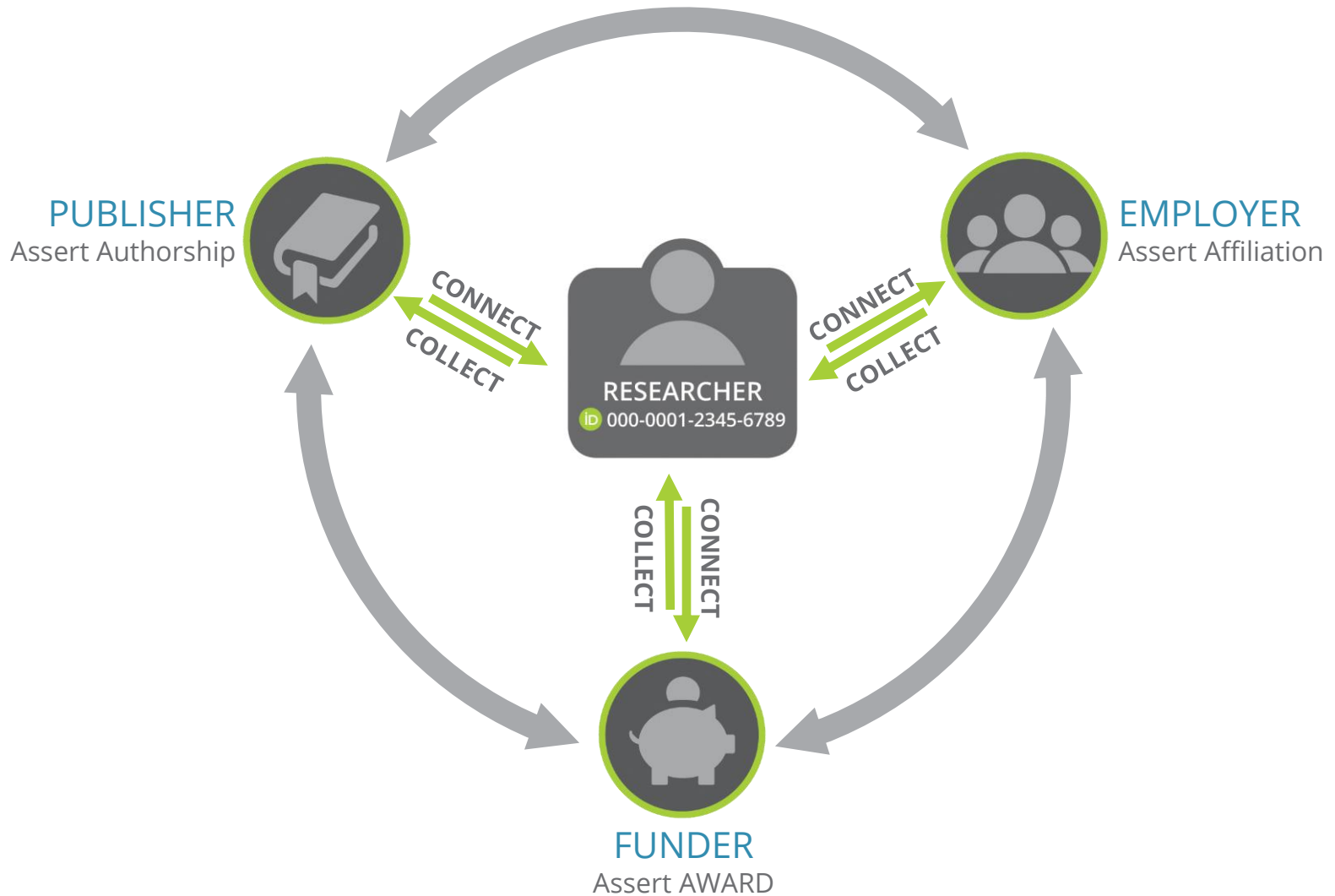
The screenshot displays the 'ACADEMIC JOURNAL' website. At the top right, there are links for 'EN', 'LOGIN', and 'REGISTER'. The main profile section for 'Ruitong Liu' (UnKnown) shows 'Downloads: 0', 'Citations: 1', and 'Articles: 3', along with an ORCID iD link: <https://orcid.org/0000-0001-8309-5495>. Below the profile, the 'Publication Fields' section includes tabs for 'Natural Science' and 'Engineering and Technical Science'. The 'Publications' section features a filter for 'Article type' (UnKnown (3), Research Article (2)) and a 'Year' filter (2021 (3), 2010 (1)). The main list shows a publication titled 'LDT\_Intercalation and hybrid heterostructure of two-dimensional atomic crystals with functional organic semiconductor molecules' by Rui-tong LIU, Zhenghui RAN, and Yujie DING, published online on 12 March 2021. The publication entry includes options for 'Abstract', 'PDF (654.9 KB)', 'Download citation', and 'Collect', along with 'Downloads: 0' and 'Citations: 0'.

# Benefits for Organizations

- Collect research information from various sources
- Connect validated data from your system to ORCID and to be findable & interoperable worldwide
- Enjoy automated information-sharing and cross-system interoperability



# Interoperability



# ORCID for Researchers

Connect Your ORCID iDs and Add Information to your  
ORCID Records!



# Connect ORCID in publishing

- During journal article submission

ScholarOne Manuscripts™

# Respirology

Log In Reset Password Create An Account

**Create an Account**

There are three screens to fill out in the Create Account process. In this first screen, enter your name and e-mail information into the boxes below. Required fields are marked with "req." When you are finished, click "Next."

1 E-Mail / Name  
2 Address  
3 User ID & Password

Next

**ORCID®**

Select the appropriate option below to associate an ORCID ID to your account.

 [Create an ORCID ID](#)  
[Associate your existing ORCID ID](#)




**Open Researcher and Contributor ID (ORCID)** is a non-profit organization dedicated to solving the long-standing name ambiguity problem in scholarly communication by creating a central registry of unique identifiers for individual researchers and an open, transparent linking mechanism between ORCID and other current author identifier schemes. To learn more about ORCID, please visit <http://orcid.org/content/initiative>.

Name 

Prefix: Dr. req.

**ORCID** Chieh-Chih Estelle Cheng  
<https://orcid.org/0000-0002-3207-0527>  
(Not You) ?

**Wiley (ScholarOne Manuscripts)** ?  
has asked for the following access to your ORCID Record

Add/update your research activities (works, affiliations, etc)  
Read your information with visibility set to Trusted Parties  
Add/update other information about you (country, keywords, etc.)  
Get your ORCID ID

This application will not be able to see your ORCID password or any other information in your ORCID record with visibility set to Only me. You can manage permission granted to this and other Trusted Organizations in your [account settings](#).

[Authorize](#)

[Deny](#)

# Connect ORCID in Depositing

- Managing research outputs in Repositories

ORCID

Authorize access

You are currently signed in as:

**Chieh-Chih Estelle Cheng**


<https://orcid.org/0000-0002-3207-0527>

[Sign out](#)

[NASA Astrophysics Data System](#) ?

has asked for the following access to your ORCID record:

 Read your information with visibility set to Trusted Parties

 Update your works

Add works

Authorize access

Deny access

If authorized, this organization will have access to your ORCID record, as outlined above and described in further detail in [ORCID's privacy policy](#).

You can manage access permissions for this and other Trusted Organizations in your [account settings](#).

## VizieR Online Data Catalog: Monochromatic conversion factors to LIR & Mdust (Schreiber+, 2018)

VizieR Online Data Catalog

2017-10 | data-set

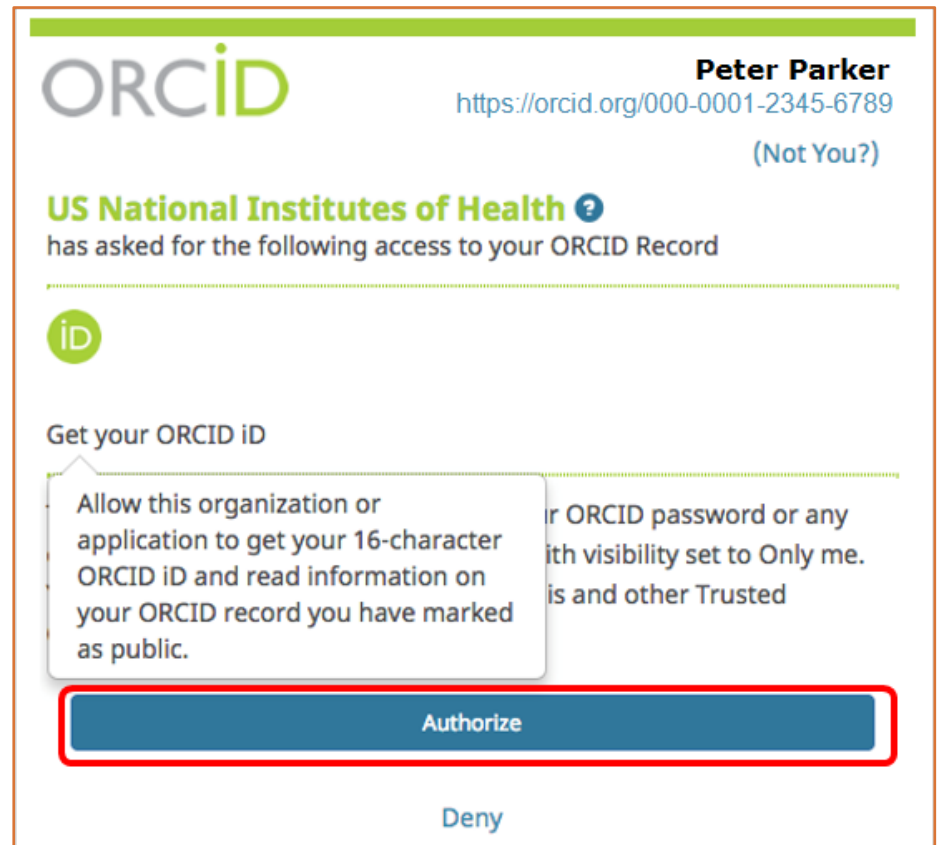
BIBCODE: [2017yCat..36090030S](#)

[Show more detail](#)

**Source:** NASA Astrophysics Data System

# Connect ORCID During Grant Submission

- During grant application workflow



The screenshot shows the ORCID authorization page for a user named Peter Parker. The page has a green header with the ORCID logo and the user's name and ORCID iD. Below the header, it states that the US National Institutes of Health has asked for access to the user's ORCID record. A green circle with the text 'iD' is shown. Below this, the text 'Get your ORCID iD' is displayed. A red box highlights the 'Authorize' button, which is a blue button with the text 'Authorize'. Below the 'Authorize' button is a 'Deny' link. A tooltip is visible over the 'Authorize' button, containing the text: 'Allow this organization or application to get your 16-character ORCID iD and read information on your ORCID record you have marked as public.' The tooltip also mentions that the user's ORCID password or any information with visibility set to Only me, is and other Trusted.

**ORCID** **Peter Parker**  
<https://orcid.org/000-0001-2345-6789>  
(Not You?)

**US National Institutes of Health** ?  
has asked for the following access to your ORCID Record

**iD**

Get your ORCID iD

Allow this organization or application to get your 16-character ORCID iD and read information on your ORCID record you have marked as public.

Authorize

Deny

# Connecting ORCID with other iDs: Scopus ID

- Option 1:  
Linking  
ORCID  
from  
Scopus  
Author ID

Author	Documents	h-index	Affiliation	City	Country/Territory
<input type="checkbox"/> 1 Zhuge, Dan	13	5	Hong Kong Polytechnic University	Kowloon	Hong Kong

Zhuge, Dan

[Hong Kong Polytechnic University, Kowloon, Hong Kong](#) [Show all author info](#)

57190749985 [Connect to ORCID](#)

[Edit profile](#) [Set alert](#) [Potential author matches](#) [Export to SciVal](#)

Zhuge, Dan

[Hong Kong Polytechnic University, Kowloon, Hong Kong](#) [Show all author info](#)

57190749985 [Connect to ORCID](#)

[Edit profile](#) [Set alert](#) [Potential author matches](#) [Export to SciVal](#)

Sign in

Email or 16-digit ORCID ID

example@email.com or 0000-0001-2345-6789

Password

**SIGN IN**

[Forgot your password or ORCID ID?](#)

[Don't have an ORCID ID yet? Register now](#)

ORCID

Authorize access

Scopus - Elsevier [?](#)

has asked for the following access to your ORCID record:

- ☐ Add/update other information about you (country, keywords, etc.)
- ☐ Add/update your research activities (works, affiliations, etc.)
- ☐ Read your information with visibility set to Trusted Organizations

**Authorize access**

[Deny access](#)





# Connecting ORCID with other iDs: Scoups ID

- Option 2:  
Linking  
Scopus  
Author  
ID from  
ORCID

▼ Works (50 of 50) ?

+ Add works

**LINK WORKS** Hide link works

ORCID works with our member organizations to make it easy to connect your ORCID iD and link to information in their records. Choose a wizard to get started. [More information about linking works](#)

Work type  Geographical area

## Scopus - Elsevier

Import your Identifier, profile and publications. The wizard helps you find the correct Scopus profile and to confirm your publications. You can then import the identifier and list of publications into ORCID. Any changes you make will be submitted to the Feedback team to update your Scopus profile. ➔



## Send Scopus Author details and publication list to ORCID

Your publications on Scopus may be spread over a number of different Author profiles, because these are generated automatically. In order to create a single profile containing the correct publications, please follow the steps in this wizard. On completion, any changes will be sent as corrections to Scopus. To locate all Author ID's please provide all the name variants under which you have published below.

# Connecting ORCID with Publons

As of now, researchers link ORCID from Publons

## UPDATE YOUR ORCID RECORD FROM PUBLONS

Click the button below to allow Publons to keep your ResearcherID up to date on your ORCID record. If you have a ResearcherID it will be exported to the "Other IDs" section of your ORCID record.

GRANT PUBLONS PERMISSION TO UPDATE YOUR ORCID RECORD

SAVE CHANGES

## ORCID Settings

You have linked ORCID record:  <https://orcid.org/0000-0001-1234-5678>

## EXPORT YOUR REVIEWS TO ORCID

You have 0 eligible verified pre-publication reviews which can be exported to your ORCID record. If you believe you have more reviews to export than reported please [get in touch](#).



Automatically export new reviews to ORCID

EXPORT REVIEWS TO ORCID NOW



# Add information to ORCID records

- By researchers themselves
  - Via ORCID Search & Link Wizards
  - Add works using an identifier
  - Importing works from a BibTeX file
  - Add works manually
- By Trusted organizations for researchers
  - Through ORCID member organizations
  - Through DOI providers: auto-update



# Through DOI providers: auto-update

■ 研究人员使用唯一标识符的价值

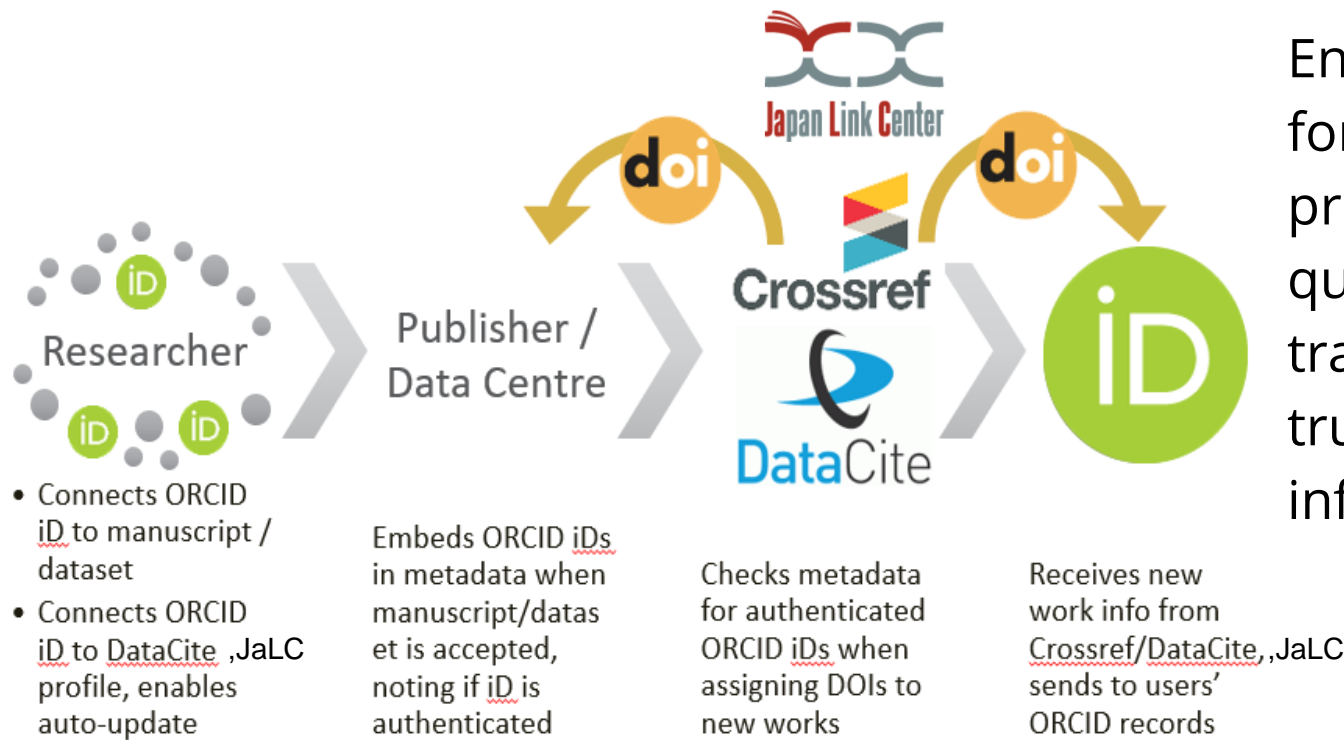
Figshare

2019 | other

DOI: [10.23640/07243.8029259.v1](https://doi.org/10.23640/07243.8029259.v1)

Source: DataCite

★ Preferred source



Enable time-savings for researchers, preserve metadata quality, and support transparency and trust in research information

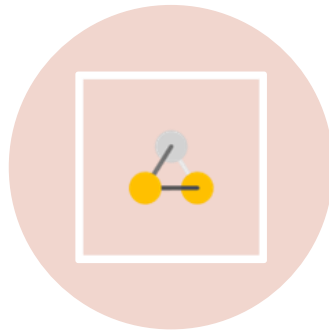


# To Recap:

## How organizations can start



**ADOPT ORCID**



**INTEGRATE ORCID  
INTO SYSTEMS**



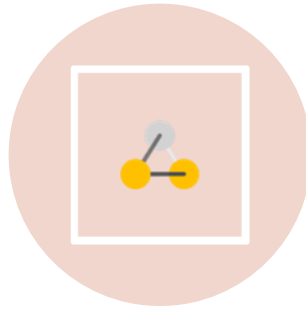
**SYNC RESEARCH  
INFORMATION  
BETWEEN ORCID  
AND YOUR SYSTEMS**

# To Recap:

## How researchers can start



**CONNECT ORCID**

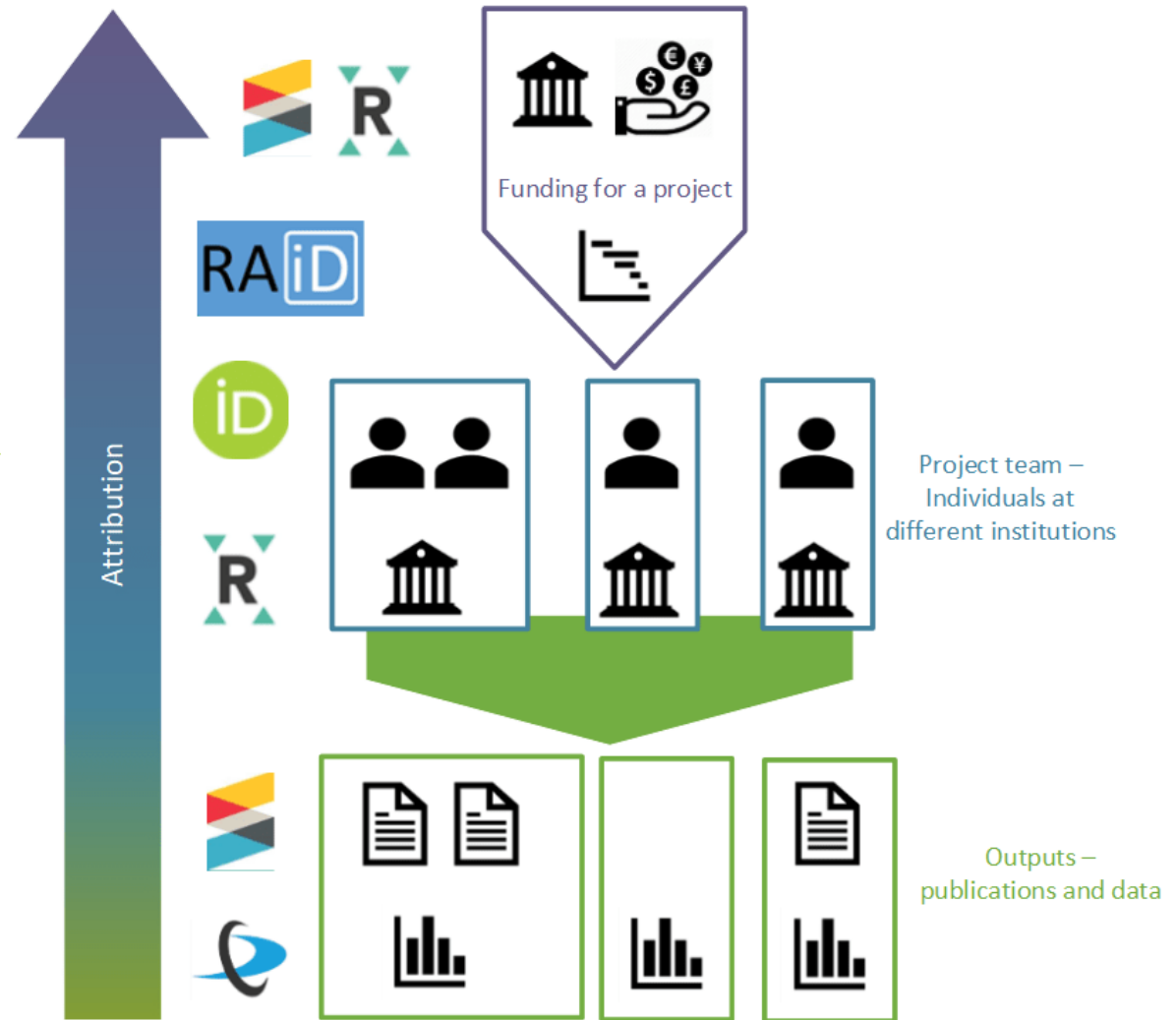


**CONNECT WITH  
OTHER IDS**



**ADD  
INFORMATION TO  
ORCID RECORD**

# Connections maximize impact and interoperability



# Resources for the Community

- [Outreach resources](#)
- [Comprehensive Documentation](#) and support
- [Slide Templates](#) for you to communicate ORCID to your researchers
- [Content Templates](#) for you to communicate ORCID to your researchers



# THANK YOU



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# Discussion and Feedback

Collaborating for Trusted Connections