Persistent identifiers: ORCiD

Annette Holtkamp
CERN-UNESCO School on Digital Libraries
Nairobi, Oct 8–12, 2018

The challenge

Unambiguously link researchers with their professional activities

Problems:

- Name ambiguity
- discoverability

How can we tell one researcher from another?

There are 23 faculty members with the name "J. Lee" ... at the University of Michigan alone.

A researcher's name isn't enough to reliably identify the author of, or contributor to, an article published in a journal or a dataset uploaded to a repository.

http://deepblue.lib.umich.edu/bitstream/handle/2027.42/101738/CIDays13 ORCIDFinal.pdf ?sequence=11





US National Library of Medicine National Institutes of Health



Abstract -

Send to: -

Autophagy. 2016 Jan 2;12(1):1-222.

Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition).

Klionsky DJ, Abdelmohsen K, Abe A, Abedin MJ, Abeliovich H, Acevedo Arozena A, Adachi H, Adams CM, Adams PD, Adeli K, Adhihetty PJ, Adler SG, Agam G, Agarwal R, Aghi MK, Agnello M, Agostinis P, Aguilar PV, Aguirre-Ghiso J, Airoldi EM, Alt-Si-Ali S, Akematsu T, Akporiaye ET, Al-Rubeai M, Albaiceta GM, Albanese C, Albani D, Albert ML, Aldudo J, Algül H, Alirezaei M, Alloza I, Almasan A, Almonte-Beceril M, Alnemri ES, Alonso C, Altan-Bonnet N, Altieri DC, Alvarez S, Alvarez-Erviti L, Alves S, Amadoro G, Amano A, Amantini C, Ambrosio S, Amelio I, Amer AO, Amessou M, Amon A, An Z, Anania FA, Andersen SU, Andley UP, Andreadi CK, Andrieu-Abadie N, Anel A, Ann DK, Anoopkumar-Dukie S, Antonioli M, Aoki H, Apostolova N, Aguila S, Aguilano K, Araki K, Arama E, Aranda A, Araya J, Arcaro A, Arias E, Arimoto H, Ariosa AR, Armstrong JL, Amould T, Arsov I, Asanuma K, Askanas V, Asselin E, Atarashi R, Atherton SS, Atkin JD, Attardi LD, Auberger P, Auburger G, Aurelian L, Autelli R, Avagliano L, Avantaggiati ML, Avrahami L, Awale S, Azad N, Bachetti T, Backer JM, Bae DH, Bae JS, Bae ON, Bae SH, Baehrecke EH, Baek SH, Baghdiguian S, Bagniewska-Zadworna A, Bai H, Bai J, Bai XY, Bailiy Y, Balaji KN, Balduini W, Ballabio A, Balzan R, Banerjee R, Bánhegyi G, Bao H, Barbeau B, Barrachina MD, Barreiro E, Bartel B, Bartolomé A, Bassham DC, Bassi MT, Bast RC Jr, Basu A, Batista MT, Batoko H, Battino M, Bauckman K, Baumgarner BL, Bayer KU, Beale R, Beaulieu JF, Beck GR Jr, Becker C, Beckham JD, Bédard PA, Bednarski PJ, Begley TJ, Behl C, Behrens GM, Behrens GM, Behrens E, Belaid A, Belleudi F, Bénard G, Berchem G, Bergamaschi D, Bergami M, Berkhout B, Berliochi L, Bernard A, Bernard M, Bernassola F, Bertolotti A, Bess AS, Besteiro S, Bettuzzi S, Bhalla S, Bhattacharyya S, Bhutia SK, Biagosch C, Bianchi MW, Biard-Piechaczyk M, Billes V, Bincoletto C, Bingol B, Bird SW, Bitoun M, Bieckotone C, Blanc L, Blanco GA, Blomhoff HK, Boada-Romero E, Böckler S, Boes M, Boesze-Battaglia K, Boise LH, Bolino A, Boman A, Bonaldo P, Bordi M, Brancolini C

Ventura N, Ventura S, Veras PS, Verdier M, Vertessy BG, Viale A, Vidal M, Vieira H, Vierstra RD, Vigneswaran N, Vij N, Vila M, Villar M, Villar VH, Villarroya J, Vindis C, Viola G, Viscomi MT, Vitale G, Vogl DT, Voitsekhovskaja OV, von Haefen C, von Schwarzenberg K, Voth DE, Vouret-Craviari V, Vuori K, Vyas JM, Waeber C, Walker CL, Walker MJ, Walter J, Wan L, Wan X, Wang B, Wang C, Wang CY, Wang C, Wang C, Wang C, Wang D, Wang F, Wang F, Wang G, Wang HJ, Wang HG, Wang HG, Wang HD, Wang J, Wang J, Wang M, Wang MQ, Wang PY, Wang P, Wang RC, Wang S, Wang TF, Wang X, Wang XJ, Wang XW, Wang X, Wang X, Wang Y, Wa

The solution: ORCiD



- Open, non-profit, community driven organization
- Unique identifier to
 - Distinguish researchers from each other
 - reliably connect researchers with their contributions and affiliations
- Hub for machine-readable connections between identifiers for organizations, funding, outputs, people

Enter once, reuse often

ORCID: a hub connecting the research landscape



ORCID facts and figures

- 900+ organizational members
- 5.2 million live iDs, associated with
 - ~33 million works activities (publ, data sets...)
 - -~13 million DOIs
 - ~2.2 million employment affiliations
 - ~2.7 million education affiliations
 - ~490k funding activities

Sep 2018

https://orcid.org/statistics

DISTINGUISH YOURSELF IN THREE EASY STEPS

ORCID provides a persistent digital identifier that distinguishes you from every other researcher and, through integration in key research workflows such as manuscript and grant submission, supports automated linkages between you and your professional activities ensuring that your work is recognized. Find out more.



REGISTER Get your unique ORCID identifier Register now! Registration takes 30 seconds.

YOUR Enhance your ORCID record with your professional information and link to your other identifiers (such as Scopus or ResearcherID or LinkedIn).



ORCID ID

Include your ORCID identifier on your Webpage, when you submit publications, apply for grants, and in any research workflow to ensure you get credit for your work.

1. Register for an iD

http://orcid.org/0000-0002-1825-0097

- 16-digit number
- Free and fast—takes about 30 seconds
- Sign up now! orcid.org/

Register for an ORCID iD

First name



ORCID provides a persistent digital identifier that distinguishes you from every other researcher and, through integration in key research workflows such as manuscript and grant submission, supports automated linkages between you and your professional activities ensuring that your work is recognized.

* 0
Last name
Email
*
Invalid email address.
Re-enter email
*
Password
* •
Confirm password
*
Default privacy for new research activities (Works, Affiliations, Funding, etc)
48 δ 6 9
Notification Email
Send me notifications about changes to my ORCID Record. Send me information about events ORCID is sponsoring and ORCID news.
Terms of Use *
I consent to the privacy policy and conditions of use, including public access and use all my data that are marked Public.
You must accept the terms and conditions to register.

2. Privacy

The researcher determines what, how, and with whom the information on ORCID is shared.

Who can see this?

Who can see this?

trusted parties
only me

More information on privacy settings

Works, Affiliations, Funding, etc)

my ORCID Record.

CID is sponsoring and ORCID news.

Eliminate name ambiguity

Soichi Tokizane



http://orcid.org/0000-0003-1236-1930

Also known as:

時実 象

Country: Japan

Other IDs:

Scopus Author ID: 8144570900

Mogens Sandfær

ip

http://orcid.org/0000-0001-8436-5346

Also known as:

M. Sandfaer

M. Sandfær

Mogens Sandfaer

Country: Denmark

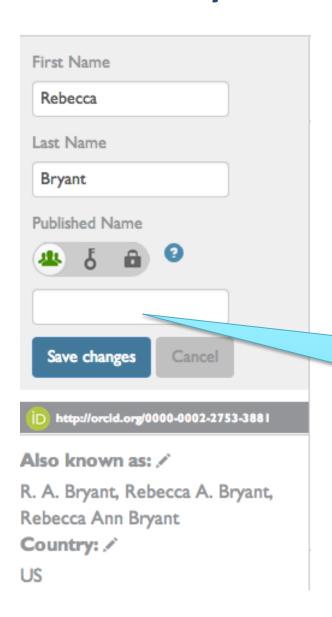
Websites:

My LinkedIn profile

Other IDs:

Scopus Author ID: 34168257000

3. Add your info: name variants



Add variants of your name <u>before</u>
you link works—this will ensure
that you will find all of YOUR
works. You can add names in
multiple character sets.

4. Add your info: link works

LINK WORKS

Х

ORCID has been working with many member organizations to make it easy to connect your ORCID iD, and link information from their records. Choose one of the links wizards to get started.

Australian National Data Service (ANDS) Registry

Import your research datasets into ORCID from Australian National Data Service (ANDS) and Research Data Australia (RDA). ANDS is partnering with Australian research institutions and data producing agencies to improve discovery and reusability of research data across many research domains from earth science to technology and engineering.

CrossRef Metadata Search

Search CrossRef's comprehensive metadata on journal articles, conference proceedings and monographs. Easily add search results to your ORCID profile.

DataCite search and link

Search the DataCite Metadata Store to find your research datasets, images and other works. Then claim them by adding them to your ORCID profile at the click of a button.

Europe PubMed Central

Europe PubMed Central (Europe PMC) offers this tool to enable you to link anything in Europe PMC to your ORCID. Europe PMC contains all of PubMed, 500K records from Agricola that cannot be found in PubMed, 4 million Patents and 2.6 million full text articles that we share with PMC in the USA.

ISNI2ORCID search and link

Enables user to search the ISNI registry by name and link ISNI records to his ORCID profile as an external identifier.

ResearcherID

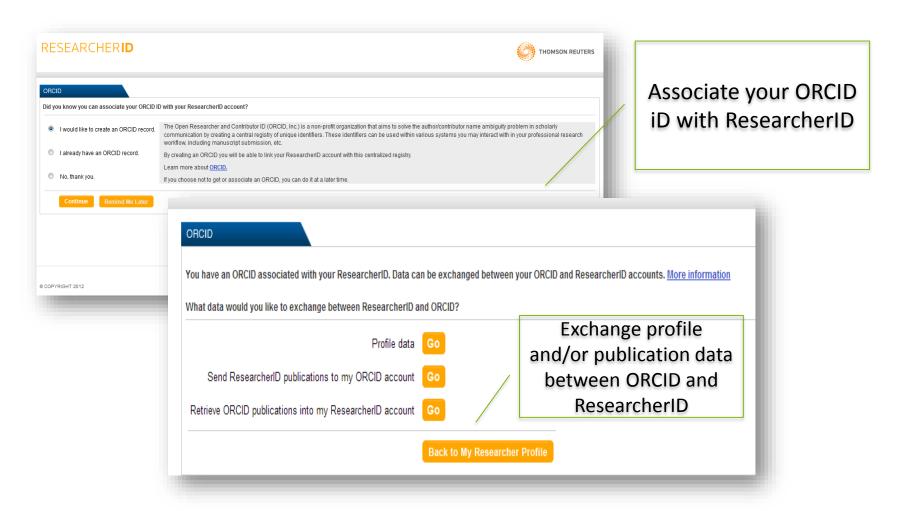
ResearcherID is a global, multi-disciplinary scholarly research community where members can register for unique identifier, build a profile of their scholarly works, view citation metrics, and search for like-minded researchers.

Scopus to ORCID

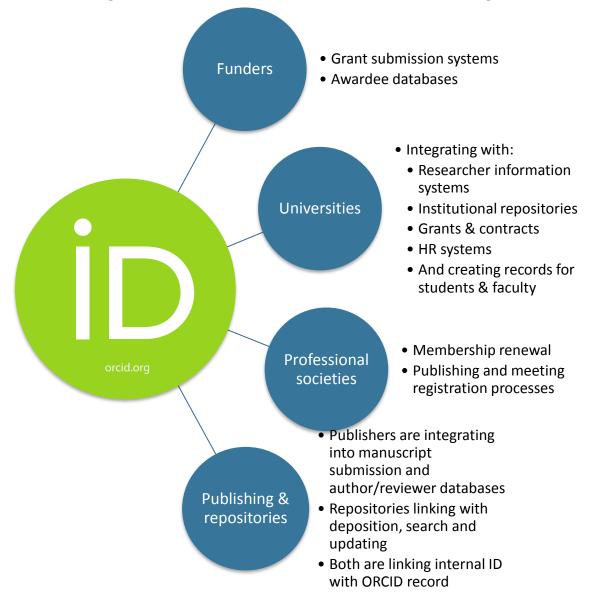
Import your Identifier, profile and publications. The wizard helps you find the correct Scopus profile and to confirm your publications. You can then import the identifier and list of publications into ORCID. Any changes you make will be submitted to the Feedback team to update your Scopus profile.

- Use the multiple ORCID search and link wizards to connect your works to your ORCID record.
- These records will appear in your ORCID record with no data entry by you

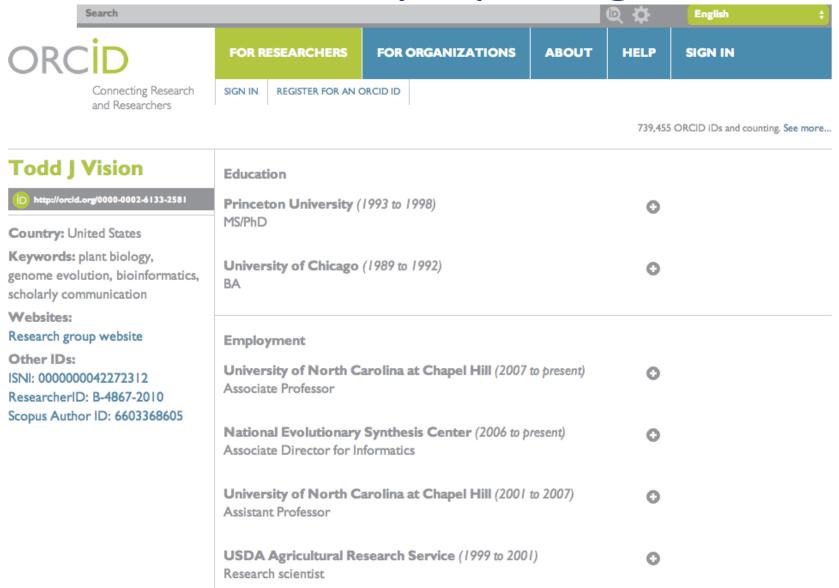
5. Add your info: link to other identifiers



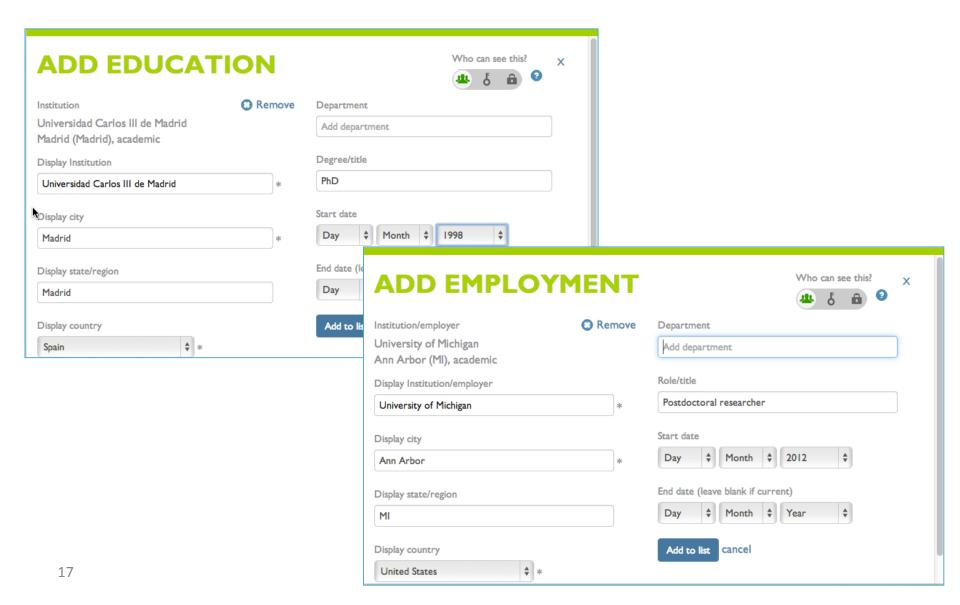
Improve discoverability & reduce repetitive data entry



Reduce time-consuming data entry & activity reporting



6. Add your info: education & employment history



Use your ORCID iD in. . . manuscript submission

nature.com

Include your ORCID iD when submitting a manuscript. Your ORCID iD is attached to your publication metadata, improving discoverability.

Register now!

Registering for a free nature.com account allows you to select access to breaking news stories, new research articles, and more. Your account will allow you to access your online content and manage your subscriptions. Please see our privacy policy and use of cookies.

(Fields marked with a * are required.)

Create or link to your ORCID record [What's this?]



ORCID

Connecting Research and Researchers

CONNECTING

Nature Publishing Group
WITH YOUR ORCID RECORD

Nature Publishing Group

has asked for the following access to your ORCID Record

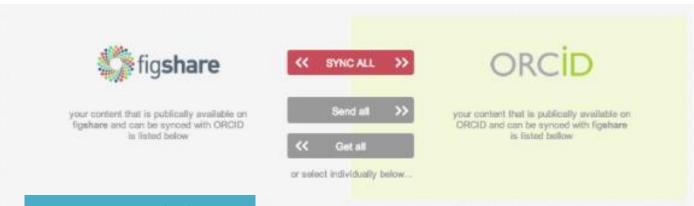
Read limited info from your ORCID Record

This application will not be able to see your ORCID password, or other private info in your ORCID Record

Deny

Authorize

Use your ORCID iD. . . Link to datasets



You can now link your ORCID iD with your data, enabling you to display your datasets in your ORCID profile.

New ORCID-integrated data citation tool

Posted May 13, 2013 by Gudmundur Thorisson & filed under Uncategorized.

We are pleased to announce the beta launch of a new service for searching and claiming works in DataCite:

http://datacite.labs.orcid-eu.org



The tool enables users to search the DataCite Metadata Store for their works, and subsequently to add (or claim) those research outputs – including datasets, software, and other types – to their ORCID profile. This should increase the visibility of these research outputs, and will make it easier to use these data citations in applications that connect to the ORCID Registry – ImpactStory is one of several services already doing this.

The new service also provides formatted citations in several popular citation styles, supports COinS, links to related resources, and displays the attached

Creative Commons license where this information is available. In addition to datasets, the DataCite Metadata Store of course also contains many text documents from academic publishers and services such as figshare or PeerJ



Recent Posts

- New ORCID-integrated data citation tool May 13, 2013
- Registration and programme for Codesprint and 1st year conference March 21, 2013
- Save the date: ORCID Codefest and other events in Oxford May 23-24 March 12, 2013
- Dates set for ODIN codesprint and 1st year conference February 19, 2013
- ANDS publishes conference paper on ODIN February 7, 2013



Login



FOR RESEARCHERS

FOR ORGANIZATIONS

ABOUT

HELP **SIGN IN**

REGISTER FOR AN ORCID ID SIGN IN

LEARN MORE

5,198,613 ORCID iDs and counting. See more...



Forgotten your password? Reset it here

Sign in with a social media account ②





Login



FOR RESEARCHERS

FOR ORGANIZATIONS

ABOUT

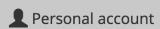
HELP **SIGN IN**

REGISTER FOR AN ORCID ID SIGN IN

LEARN MORE

5,198,613 ORCID iDs and counting. See more...

Sign into ORCID or Register now



m Institutional account

Sign in with your ORCID account

Email or ORCID iD

Annette.Holtkamp@cern.ch

ORCID password

•••••

Sign into ORCID

Forgotten your password? Reset it here

Sign in with a social media account ②





Login



FOR RESEARCHERS

FOR ORGANIZATIONS

ABOUT

HELP

SIGN IN

SIGN IN

N REGISTER FOR AN ORCID ID

LEARN MORE

5,198,613 ORCID iDs and counting. See more...

Sign into ORCID or Register now Personal account Sign in with your ORCID account Email or ORCID iD Annette.Holtkamp@cern.ch ORCID password Sign into ORCID Forgotten your password? Reset it here

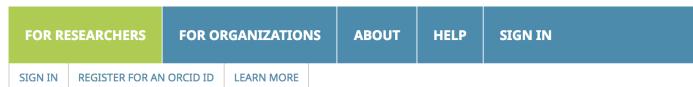
Sign in with a social media account ②





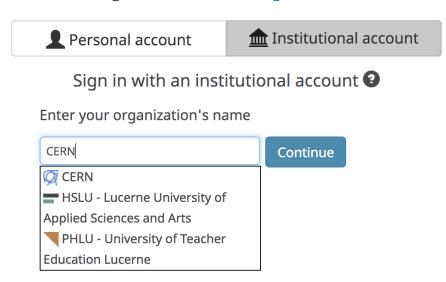
Institutional login





5,198,613 ORCID iDs and counting. See more...

Sign into ORCID or Register now



ORCiDs in INSPIRE author profiles

Allen, Bruce

https://inspirehep.net/author/profile/B.Allen.2

Profile Name

Q Search

C 2015-05-29 17:38:03

Citeable naners Published only

View Profile

Manage Profile

Manage Publications

Help

Open Tickets

PERSONAL INFORMATION

Personal Details (HepNames)	Publications

Name	Bruce Allen
Current Institution	Hannover, Max Planck Inst. Grav.
E-mail	bruce.allen@aei.mpg.de
Links	http://www.aei.mpg.de/79660/em
Fields	ASTRO-PH
	GR-QC
	MATH-PH
	QUANT-PH

Experiments LIGO

Identifiers BAI: B.Allen.2

ORCID: 0000-0003-4285-6256

arXiv: alleri o

Period	Rank	Institution
1976 – 1980	UG	MIT
1980 – 1984	PHD	Cambridge U.
1983 – 1985	PD	UC, Santa Barbara
1985 – 1986	PD	Tufts U.
1986 – 1987	PD	Meudon Observ.
1987 – 1989	PD	Tufts U.
1989	SENIOR	Wisconsin U., Milwaukee
2007	SENIOR	Hannover, Max Planck Inst. Grav.

HepNames Record

Update Details

PUBLICATIONS AND OUTPUT

s Datasets External

2010 LIGO and Virgo Data

- 1. Timing of five millisecond pulsars discovered in the PALFA survey
- Directed search for gravitational waves from Scorpius X-1 with initial LIGO data Narrow-band search of continuous gravitational-wave signals from Crab and Vela
- pulsars in Virgo VSR4 data
- 4. Searching for stochastic gravitational waves using data from the two colocated LIGO Hanford detectors Multimessenger search for sources of gravitational waves and high-energy neutrinos:
- Initial results for LIGO-Virgo and IceCube Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009—
- 7. Arecibo Pulsar Survey Using ALFA. III. Precursor Survey and Population Synthesis
- 8. First all-sky search for continuous gravitational waves from unknown sources in binary
- 9. Methods and results of a search for gravitational waves associated with gamma-ray bursts using the GEO600, LIGO, and Virgo detectors
- Fast Radio Burst Discovered in the Arecibo Pulsar ALFA Survey

Click here to see all

Co-Authors

B.Knispel.1 (16)
X.Siemens.1 (15)
C.Aulbert.1 (14)
A.C.Ottewill.1 (13)
E.P.S.Shellard.1 (13)
A.G.Lyne.1 (12)
F.Camilo.1 (12)
I.H.Stairs.1 (12)
J.W.T.Hessels.1 (12)
M.A.Papa.1 (12)
■ more

Knispel.1 (16)
Siemens.1 (15)
Aulbert.1 (14)
C.Ottewill.1 (13)
P.S.Shellard.1 (13)
G.Lyne.1 (12)
Camilo.1 (12)
l.Stairs.1 (12)
V.T.Hessels.1 (12)
A.Papa.1 (12)
more

Subject Categories

Gravitation and Cosmology (129) Astrophysics (90) Instrumentation (30)

Collaborations

LIGO Scientific (84) VIRGO (43) LIGO (12) TAMA (2) ALLEGRÓ (1) AURIGA (1)

Papers

All papers Book ConferencePaper Introductory Lectures Published Review Thesis	All papers 206 0 27 0 2 186 2 0	Single authored 18 0 3 0 2 13 1
Thesis Proceedings	0	0

Frequent Keywords

LIGO (83) experimental results (45) gravitational radiation (38) data analysis method (32) VIRGO (31) numerical calculations (29) astrophysics: string (24) gravitational radiation: burst (19) gravitational radiation: emission (19) signal processing (18) more

STATS

Citations	Summary

206 papers found, 198 of them citeable (published or arXiv)

	Ottoable papers	r abilished only
Number of papers analyzed:	198	186
Number of citations:	11133	10693
Citations per paper (average):	56.2	57.5
hHEP index [?]	62	62

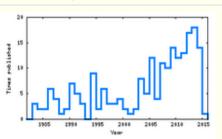
Breakdown of papers by citations:

	Citeable papers	Published only
Renowned papers (500+)	1	1
Famous papers (250-499)	3	3
Very well-known papers (100-249)	28	26
Well-known papers (50-99)	41	41
Known papers (10-49)	89	82
Less known papers (1-9)	33	31
Unknown papers (0)	3	2

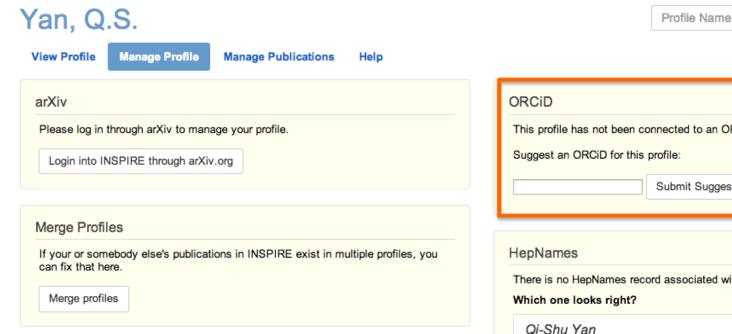
Click here to view statistics without self-citations or RPP

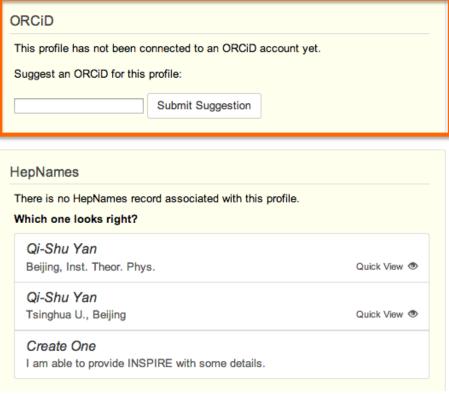
Warning: The citations count should be interpreted with great care. Read the fine print





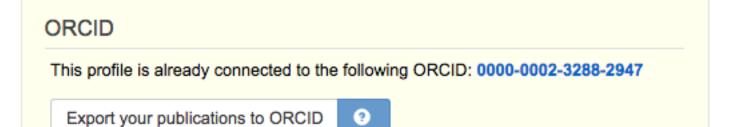
Connect author profile to ORCiD





Q Search

INSPIRE: Push to ORCID



INSPIRE: Push to ORCiD



This profile is already connected to the following ORCID: 0000-0002-3288-2947

Export your publications to ORCID



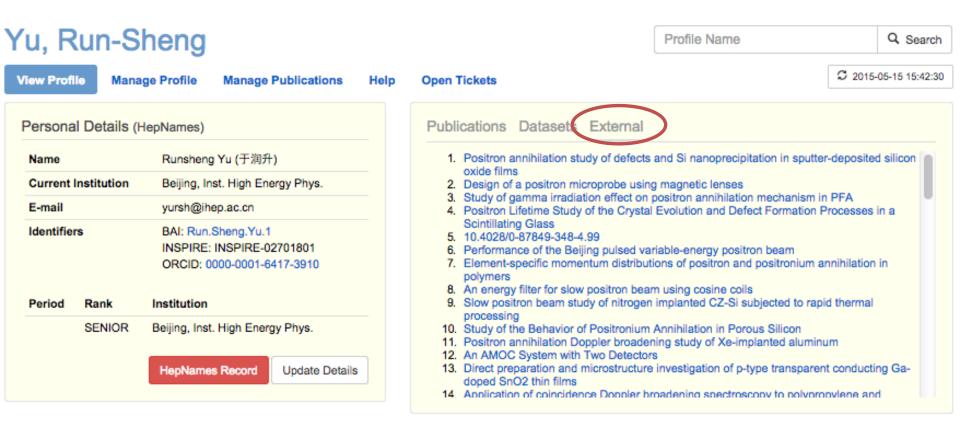
ORCID

This profile is already connected to the following ORCID: 0000-0003-4285-6256

Your works will be pushed automatically.

Display publications from ORCID

Visible on profile page even when outside INSPIRE's scope



Organization identifier (OI) Project

Goal: Open, unique, persistent identifiers for organizations involved in research

- Project by Crossref, DataCite and ORCiD
- Initial proposal
- Working group since Jan 2017

https://orcid.org/content/organization-identifier-working-group

ROR: Research Organization Registry



https://www.ror.community



Welcome to the Research Organization Registry Community

ROR is a community-led project to develop an open, sustainable, usable, and unique identifier for every research organization in the world.

Why ROR?

The scholarly research community depends on a series of open identifier and metadata infrastructure systems to great success. Content identifiers and contributor identifiers are foundational infrastructure for the community. But there is one piece of the infrastructure that is missing – there currently is no open, stakeholder-governed infrastructure for research organization identifiers and their associated metadata.

Learn more

Planned ROR features

- Unique and persistent IDs for organizations in the research community
- IDs resolve to information about the entity: human- and machine-readable
- Open API/content negotiation
- Record editing interface for authorized entity representative
- Administrative facility to correct, manage, and crosswalk data, including assertion model and syncing with other PID providers
- Public data dump
- Common and uniform metadata set

Sources

- http://www.slideshare.net/ORCIDSlides/eng-slidesorcidoverview20140116/5
- http://www.slideshare.net/ORCIDSlides/overview-of-orcid-forresearchers
- https://orcid.org/statistics