Leveraging Open Access and Open Science for a Sustainable Future
利用開放存取和開放科學實現可持續學術發展交流
- *HKUL Experience*

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The University of Hong Kong Libraries

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MAIN LIBRARY 110TH | FUNG PING SHAN LIBRARY 90TH
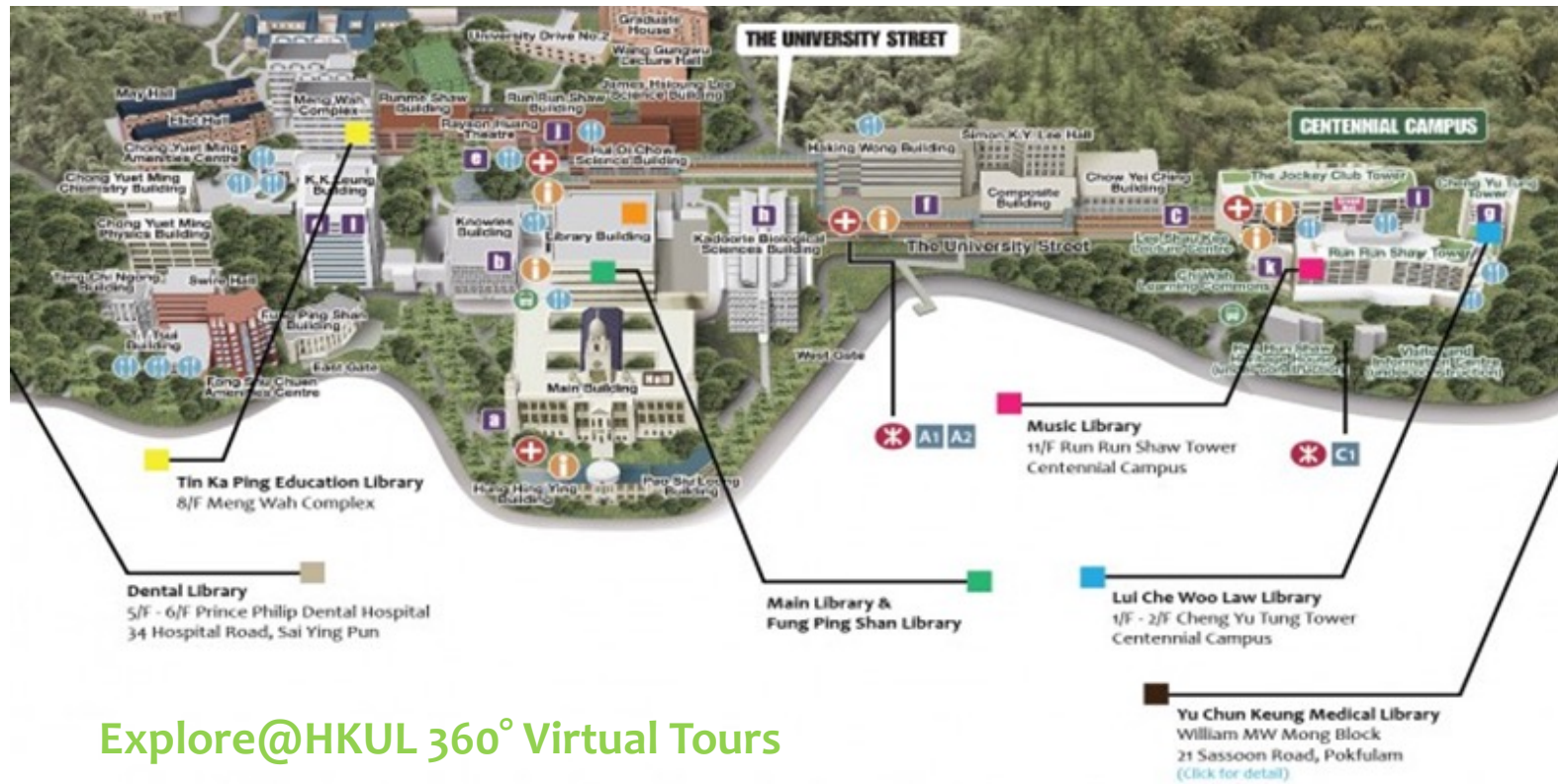
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Outline

- Overview of HKU and HKU Libraries
- Open Science, libraries, and the SDGs
  開發科學，圖書館與可持續發展目標
- Libraries Roles in Open Access 開放獲取
  - HKUL Practices
- Open Research & Research Impact
  開放研究与研究影響力
  - Video abstract, IR and Research Data
    視頻摘要，香港大學學術庫，研究數據

OVERVIEW OF HKU AND HKU LIBRARIES

Main Library and Six Branches

Main 1912

Fung Ping Shan 1932

Medical 1965

Law 1969

Education 1978

Dental 1981

Music 1983

Tin Ka Ping Education Library
8/F Meng Wah Complex

Dental Library
5/F - 6/F Prince Philip Dental Hospital
34 Hospital Road, Sai Ying Pun

Main Library &
Fung Ping Shan Library

Lui Che Woo Law Library
1/F - 2/F Cheng Yu Tung Tower
Centennial Campus

Music Library
11/F Run Run Shaw Tower
Centennial Campus

Yu Chun Keung Medical Library
William MW Mong Block
21 Sassoon Road, Pokfulam
(Click for detail)

Explore@HKUL 360° Virtual Tours

https://lib.hku.hk/infoservices/library_tours.html

Vision of HKUL
港大图书馆愿景

The Libraries advances the

teaching, **learning**, **research**, and
knowledge exchange
促進教學研究知識交流

pursuits of the University through its outstanding resources（卓越的资源）, people-centred services（以人为本的服务）as well as its innovative and collaborative approaches （创新和协作的方法）

Open Science, libraries, and the SDGs

开放科学，图书馆 及可持续发展目标

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Open Science, libraries, and the SDGs

Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all (確保共融、平等的優質教育及促進每人都有終生學習的機會)

- **Open education (開放教育)** leads to inclusive and equitable quality education, and promotes lifelong learning opportunities for all (UNESCO 2019).

- **Open access** and **open data (開放獲取和開放數據)** ensure universal free access to research outputs, which greatly facilitates and improves learning and teaching.

4 QUALITY EDUCATION

Open Science, libraries, and the SDGs

Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation (建造具抗災能力的基礎設施、促進共融與可持續的工業化及推動創新)

- **Open science** practices and infrastructures promote and enable innovation, dynamic research, and economic cooperation between research and industry (UNESCO, 2021).

- **Open access** and **open data** speed up the adoption of research findings, and facilitate trans-sectoral dialogue, capacity building, and creation of innovations.

- **Open access** and **open data** improve data verifiability and research reproducibility, which not only democratizes and empowers science, but also ensures and improves the reliability of scientific outputs' application in industry and society.

- **Open education** encourages inclusion and innovation in the use of learning materials and digital learning environments, and creates new types of more open, independent, flexible, and innovative learning practices (Inamorato dos Santos, 2019).

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

開放存取的益處

全文下载次数

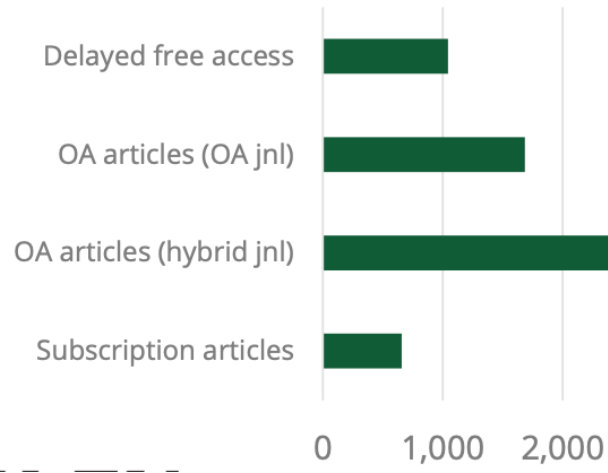### 3.2x Downloads

On average, open access articles were downloaded more than three times as much as subscription articles

Av full text downloads per article

Delayed free access	
OA articles (OA jnl)	
OA articles (hybrid jnl)	
Subscription articles	

0   1,000   2,000

被引用次数

1.5x Citations

Open access articles were cited 50 percent more compared to subscription articles

Av citations per article (Dimensions)

Delayed free access	
OA articles (OA jnl)	
OA articles (hybrid jnl)	
Subscription articles	

0   10   20
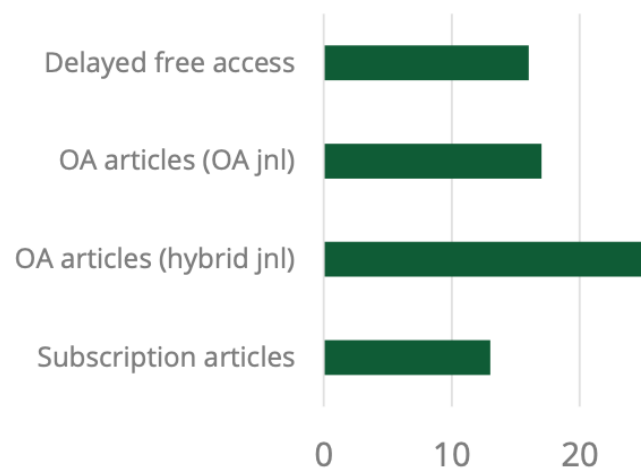
替代计量法分数

2.7x Altmetric Score

Open access articles received nearly three times as much Altmetric attention as subscription articles

Av altmetric score per article

Delayed free access	
OA articles (OA jnl)	
OA articles (hybrid jnl)	
Subscription articles	

0   10   20

WILEY
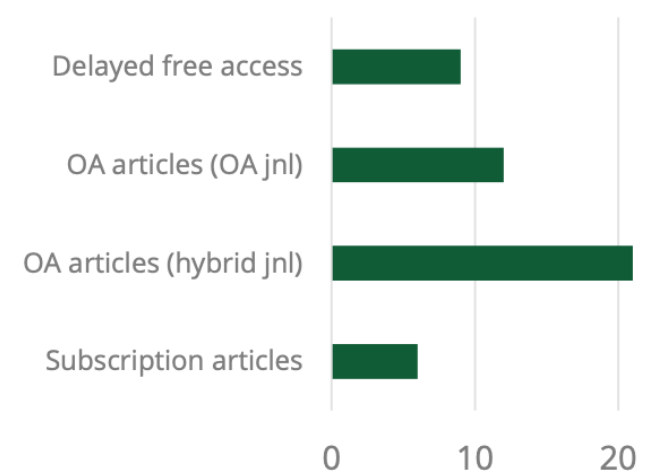
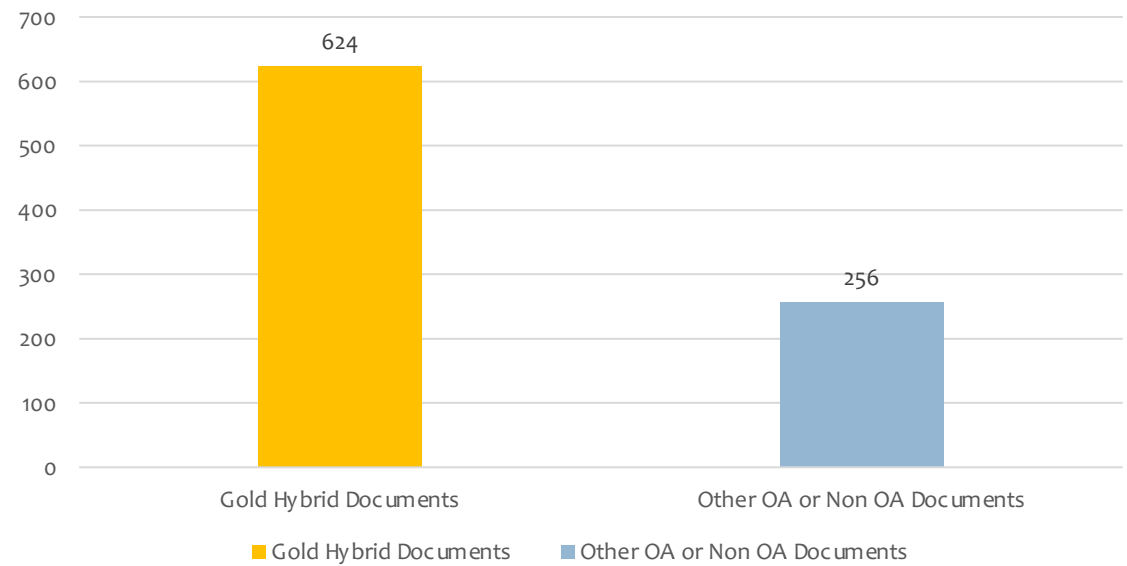# HKU Publications in Nature, Science and Cell journals

開放存取出版數量
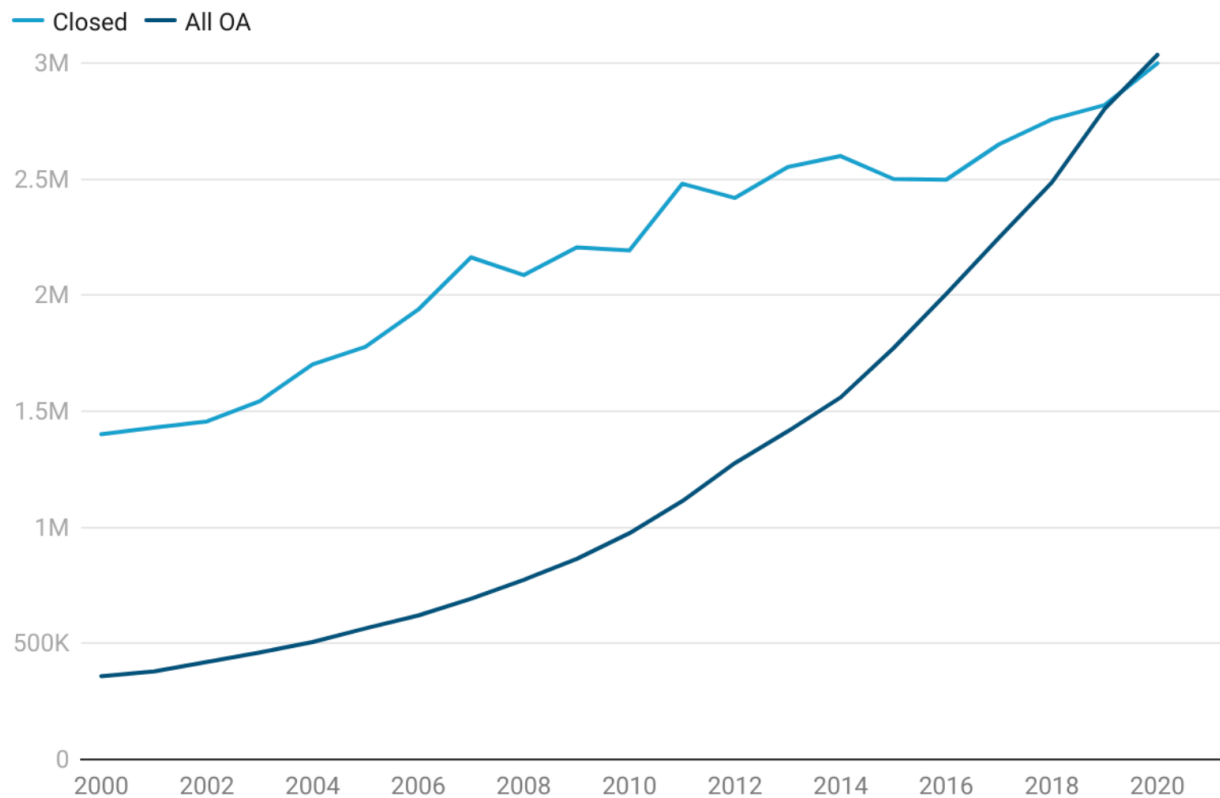
Total Publucation Number
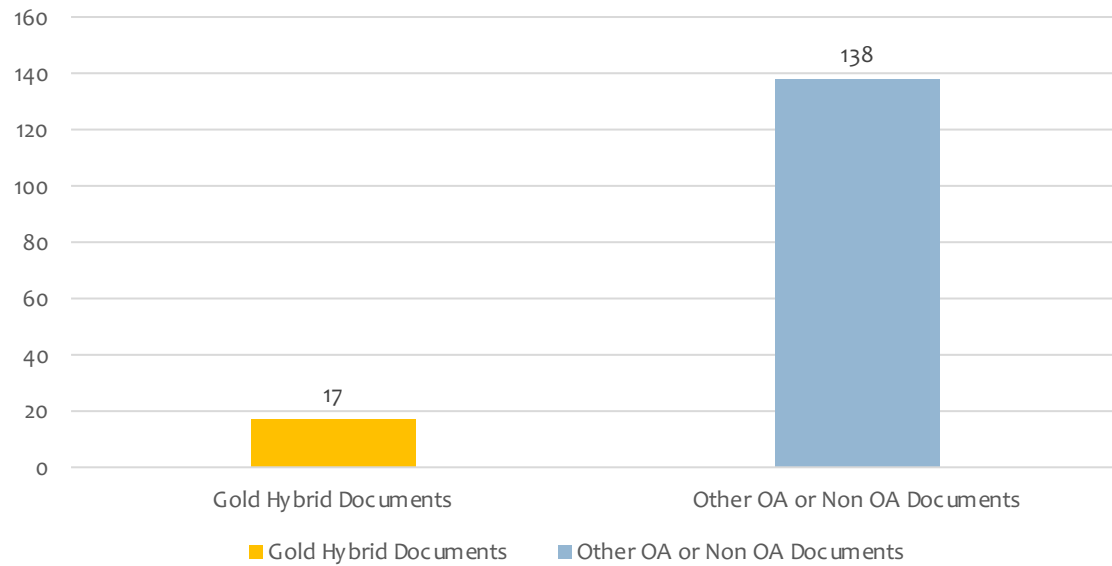
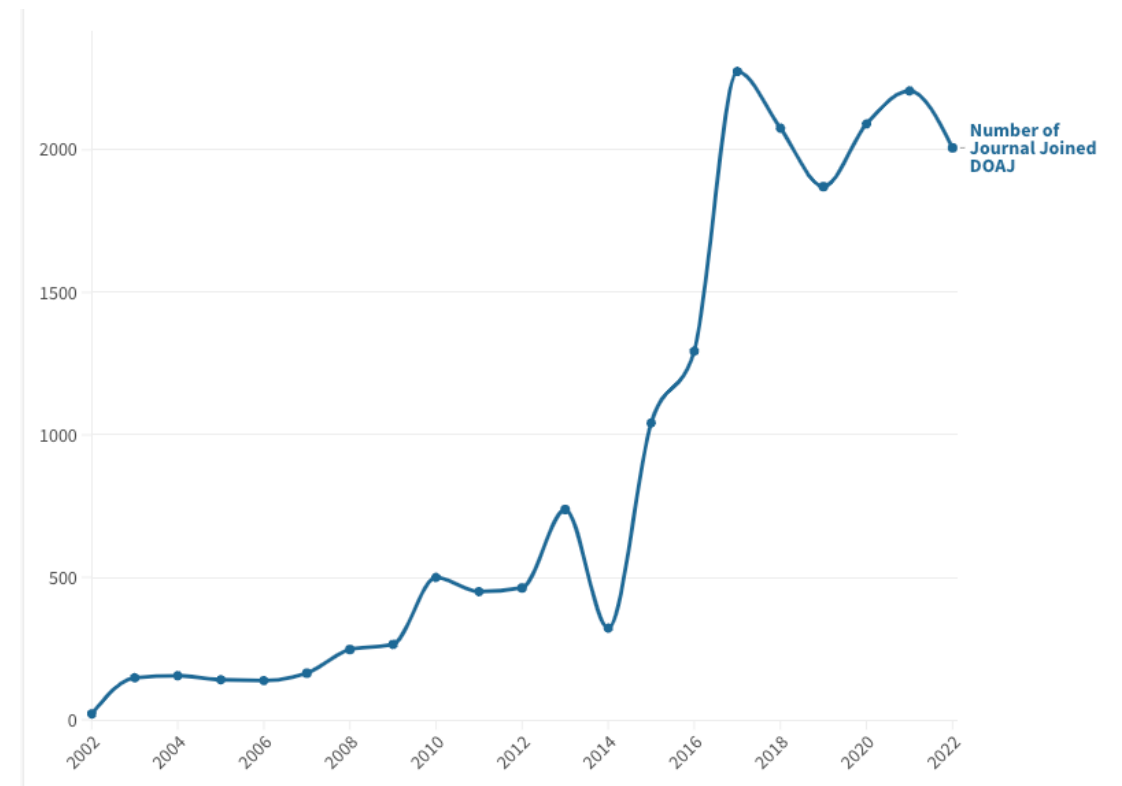## 開放存取出版被引次數

Avg Citation per Publication

The study analysed the relationship between the citations and OA publishing modes for HKU publications in Nature, Science and Cell Journals from 2011-2021 (Source Data: Web of Science)

Open Access surpasses subscription publication globally for the first time

Data Source: DOAJ, accessed 07, May 2023

Dimensions blogpost, Feb 24th 2021 https://www.dimensions.ai/blog/open-accesssurpasses-subscription-publication-globallyfor-the-first-time/
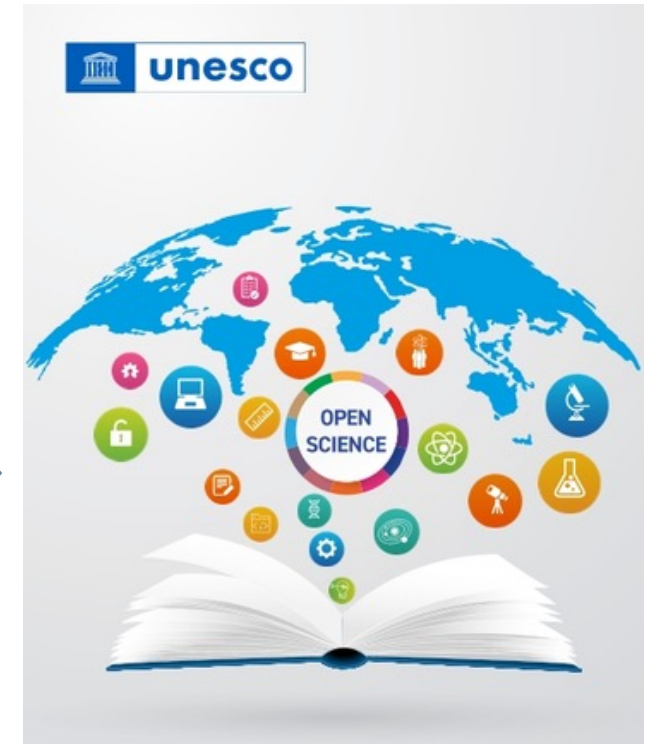
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Academic Libraries' Roles in Open Access

圖書館在開放存取中的角色

DAVIDE BONAZZI/SALZMANART

UNESCO Recommendation on Open Science

開放科學建議書草案

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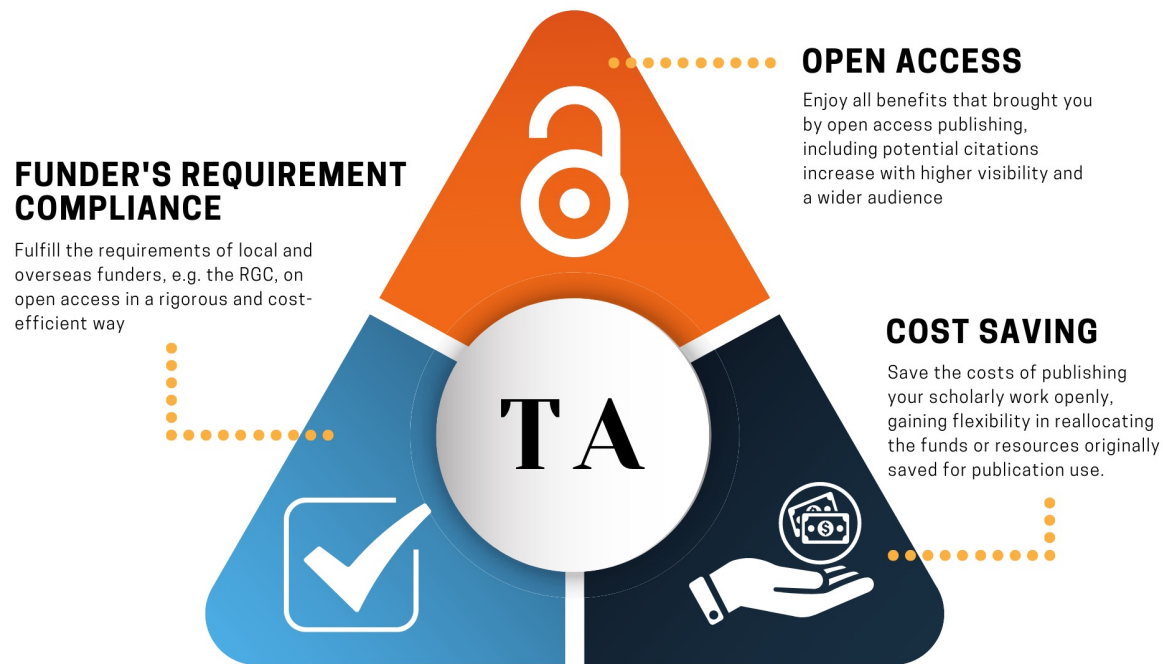MAIN LIBRARY 110TH | FUNG PING SHAN LIBRARY 90TH

Roles for academic libraries

- Transformative agreements（轉換協議）
- Publication data analysis (學校發表文章數據分析）
- Open access fund（開放獲取資金）
- Author support services（作者支援服務）
  - OA resources to authors
  - Best practices for self-archiving (自存檔）
  - Author rights for OA
  - How to select journals
  - Research data services

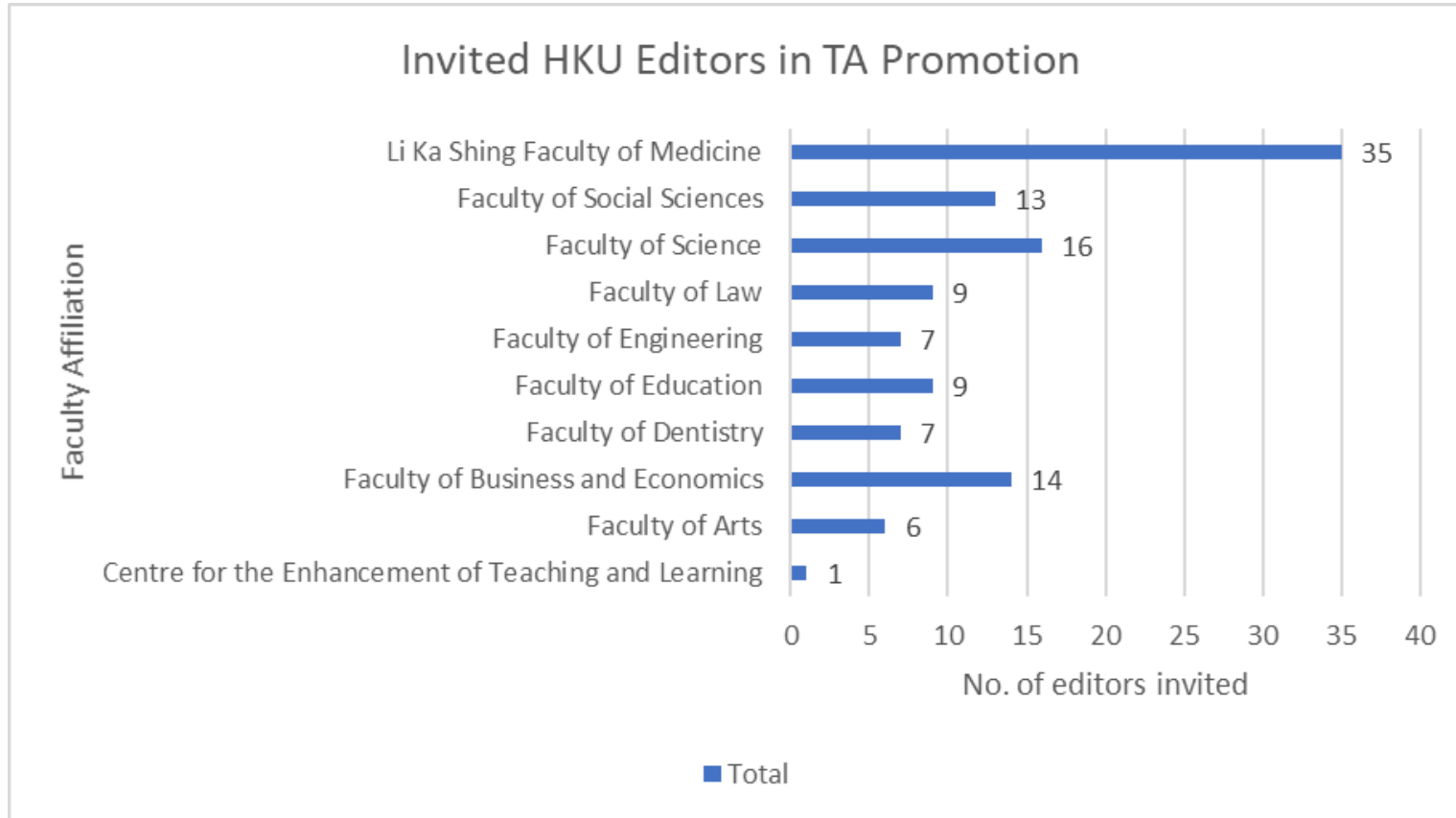# Open Access Services at the HKU Libraries

Transformative Agreements: Offering HKU affiliated corresponding authors full APC waivers on APC for open access publishing in eligible journals published by partnered publishers

FUNDER'S REQUIREMENT COMPLIANCE

Fulfill the requirements of local and overseas funders, e.g. the RGC, on open access in a rigorous and cost-efficient way

OPEN ACCESS

Enjoy all benefits that brought you by open access publishing, including potential citations increase with higher visibility and a wider audience

COST SAVING

Save the costs of publishing your scholarly work openly, gaining flexibility in reallocating the funds or resources originally saved for publication use.

TA

WILEY   Hindawi

IOP Publishing   PORTLAND PRESS

CAMBRIDGE UNIVERSITY PRESS   Karger

MICROBIOLOGY SOCIETY   CSH Cold Spring Harbor Laboratory

Total number of journals: 2471

https://libguides.lib.hku.hk/openaccess

Working with HKU editors to promote TA

Invited HKU Editors in TA Promotion

Chart titled "Invited HKU Editors in TA Promotion" with y-axis "Faculty Affiliation" and x-axis "No. of editors invited":

- Li Ka Shing Faculty of Medicine: 35
- Faculty of Social Sciences: 13
- Faculty of Science: 16
- Faculty of Law: 9
- Faculty of Engineering: 7
- Faculty of Education: 9
- Faculty of Dentistry: 7
- Faculty of Business and Economics: 14
- Faculty of Arts: 6
- Centre for the Enhancement of Teaching and Learning: 1

Legend: ■ Total

- Invited HKU scholars (journal editors) to share the TA offers to colleagues & HKU community members

Work with 117 HKU scholars from different faculties to promote TAs

HKU Libraries OA Author Fund
开放存取作者基金

- provides **funding** to HKU authors to make their publications freely accessible (Gold OA)

- Encourage HKU authors to participate in publishing open access

- Facilitate knowledge exchange with our community to realize greater benefits economically, socially, and intellectually

- Launched on **1 November 2022**

- Approved **84** applications (by 07-July-2023)

https://libguides.lib.hku.hk/openaccess/OA-Fund

The University of Hong Kong Libraries

Open Access Author Fund

SAVE UP TO

US$2,000*

ON ARTICLE PROCESSING CHARGE

Financial support for Open Access publishing offered by the HKU Libraries

LEARN MORE

*Terms & Conditions apply

OA Author Fund

Status/Faculty	Count
Approved	84
Faculty of Architecture	5
Faculty of Arts	3
Faculty of Business and Economics (HKU Business School)	2
Faculty of Dentistry	4
Faculty of Education	11
Faculty of Engineering	4
Faculty of Law	2
Faculty of Science	15
Faculty of Social Sciences	9
Li Ka Shing Faculty of Medicine	29
Rejected	13
Withdrawn	2
Grand Total	**99**

HKUL OA Author Fund (Approved Applications)

Faculty — No. of Application

- Li Ka Shing Faculty of Medicine: 29
- Faculty of Social Sciences: 9
- Faculty of Science: 15
- Faculty of Law: 2
- Faculty of Engineering: 4
- Faculty of Education: 11
- Faculty of Dentistry: 4
- Faculty of Business and Economics (HKU Business...): 2
- Faculty of Arts: 3
- Faculty of Architecture: 5
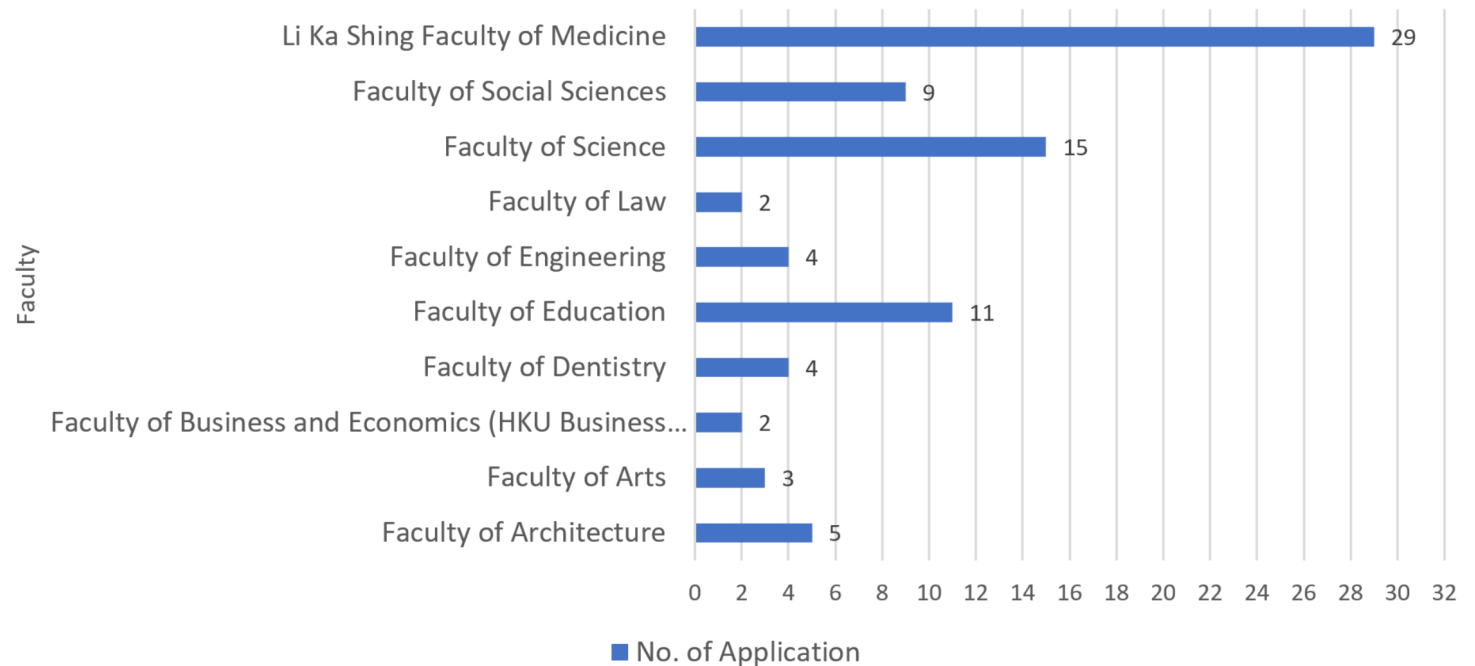
Data as of 07-July-2023

Challenges faced by Academic Libraries

OPEN ACCESS

Policy Guidelines
FOR THE DEVELOPMENT AND PROMOTION OF
OPEN ACCESS

Policies Adopted by Quarter

- Research organisation
- Funder
- Sub–unit of research organisation
- Funder and research organisation
- Multiple research organisations

Source: ROARMAP

Swan, A.. (n.d.). Policy guidelines for the development and promotion of open access. In *UNESCO*. UNESCO. Retrieved May 14, 2012, from https://unesdoc.unesco.org/ark:/48223/pf0000215863

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Show the research impact
研究影响力

Cited documents
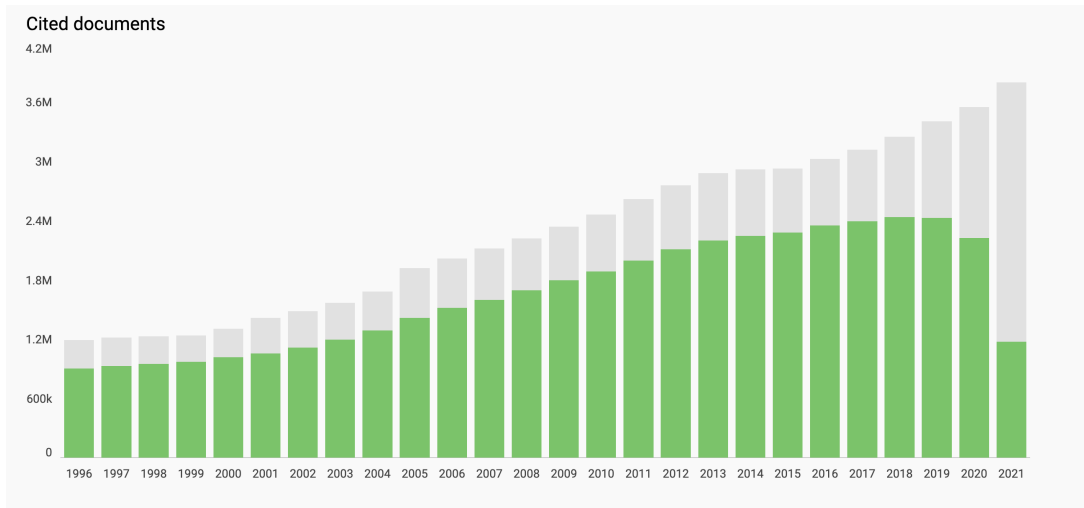
Source Data: Scopus SCImago

21ˢᵗ century Science Overload

Show Research Impact

Altmetric Badgets (替代計量學標誌)

Video Abstract (視頻摘要)

A video abstract lets you introduce readers to your article in your own words, telling others why they should read your research.

1. Increasing the visibility of your work
2. Raising your research profile
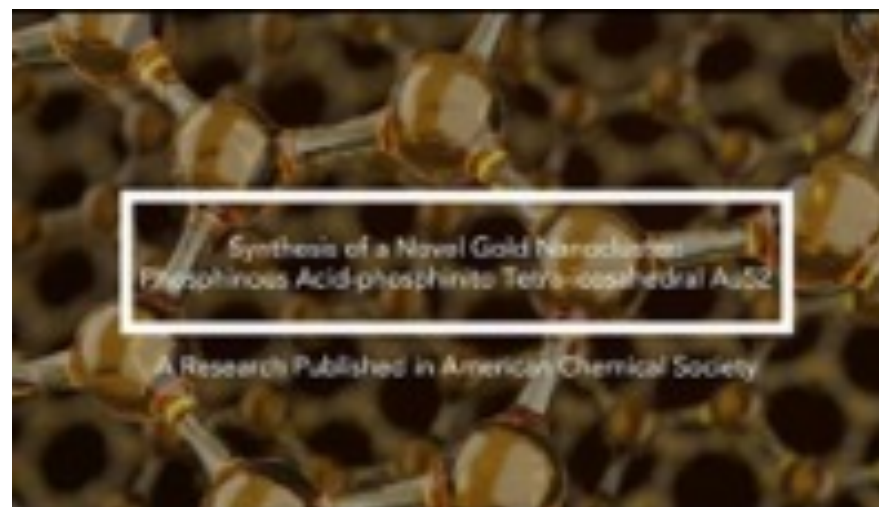
Zhuang, S., et al. (2022). "Phosphinous Acid–Phosphinito Tetra-Icosahedral Au52 Nanoclusters for Electrocatalytic Oxygen Reduction." JACS Au **2**(11): 2617-2626.

Scholars Hub

HKU Institutional Repository
香港大學學術庫

Enhance the research visibility 研究可见度 of HKU authors and their research

Collaborate with other units to collect and display the HKU research outputs

e.g.

- Preprint and Postprint
- Graduate School (Theses)
- Technology transfer office (Patents)
- Others

HKU Data Repository
研究数据存储库

DATAHUB

香港大學
THE UNIVERSITY OF HONG KONG

Discover research from HKU Data Repository + Follow

397,227 views | 66,573 downloads | more stats...

Mr. Chan   Student No.   Email mlc   Contac

Degrees 1   Thesis Trackings 1   Online Submissions 1   DMP Submissions 1   Dataset Submissions 1

1   MPhil   Linked   Approved by Professor Wang Zidan   CANNOT submit dataset   Last Modified   7/18/2018, 4:02:44 AM   Option   D

Enable Dataset Submission

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       Size   214831
       File MIME   application/pdf
       Last Modified   7/18/2018, 4:02:44 AM

Research Data linked with RPg students Theses

Research Data linked HKU articles

Research Data for HKU Research Projects

CellPress   **IEEE**   **ELSEVIER**

SPRINGER NATURE   **Taylor & Francis**
Taylor & Francis Group

INFRASTRUCTURES OF FAITH:
RELIGIOUS MOBILITIES ON THE BELT AND ROAD

What is the religious impact of China's intensification of
ties and infrastructures linking it to the rest of Asia and beyond?

香港人文社會研究所
Hong Kong Institute for the Humanities and Social Sciences
(Incorporating the Centre of Asian Studies)
THE UNIVERSITY OF HONG KONG

ASIAR BRINFAITH   asiar.hku.hk/brinfaith

https://datahub.hku.hk/brinfaith

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Open Science, libraries, and the SDGs

Thank you !

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