

國立清華大學科技管理學院傑出人才發展基金學術研究獎勵標準

National Tsing Hua University College of Technology Management Regulations for Outstanding Talent Development Fund Academic Research Incentives

112 年 4 月 26 日 111 學年度第 5 次院務會議通過訂定

Approved by the College Council on April 26, 2023

112 年 10 月 4 日 112 學年度第 1 次院務會議修正

Amended by the College Council on October 4, 2023

113 年 1 月 28 日 112 學年度第 3 次(書面)研究發展會議核備

Approved by the Research Development Meeting on January 28, 2024

114 年 9 月 10 日 114 學年度第 1 次院務會議修正

Amended by the College Council on September 10, 2025

第一條 為鼓勵本校編制內教師進行具國內外重要學術影響力之研究，提昇本校學術聲望，特依「國立清華大學傑出人才發展基金學術研究獎勵辦法」訂定「國立清華大學科技管理學院傑出人才發展基金學術研究獎勵標準」（以下簡稱本辦法）。

Article 1: The College of Technology Management (CTM or “the College”) establishes these regulations in accordance with *Regulations for National Tsing Hua University Outstanding Talent Development Fund Academic Research Incentives* in order to encourage research with significant academic impact conducted by faculty members within the University, both domestically and internationally, and to enhance the academic reputation of the University.

第二條 獎勵標的：本辦法獎勵之學術研究成果，需以本校為所屬學術機構並在本校完成之學術研究，並經審查認定者，包含以下六大類：

第一類：重大研究突破報導、重要學術期刊論文或國際會議論文。

第二類：國際學術指標。

第三類：學術專書、專書內專章或其他。

第四類：舉辦國內外重要學術會議、獲邀演講或參加展演、競賽。

第五類：參與重要國際學術組織職務或獲頒獎項。

第六類：校定學術指標面向包含下列三項：「永續」、「US Patents」，以及「Scopus近五年教師出版論文總引用次數」

Article 2: Reward Scope: The academic research incentives under these Regulations shall be awarded to research achievements affiliated with the University and verified through evaluation, including the following six categories:

- (1) Reports on significant research breakthroughs, important academic journal articles, or international conference papers.
- (2) International academic indicators.
- (3) Academic monographs, chapters in books, or others.
- (4) Organizing important domestic or international academic conferences; delivering invited speeches; or participating in exhibitions or competitions.
- (5) Holding positions in major international academic organizations or receiving awards.
- (6) University-defined academic indicators, including:
 - I. Sustainability
 - II. U.S. Patents
 - III. Total citation counts of faculty publications indexed in Scopus within the most recent five (5) years.

第三條 本辦法第二條第一款所稱重大研究突破報導，係指被國際重要媒體報導、對本院國際學術聲望具有重要貢獻並經評審委員會審查認定；第一款所稱重要學術期刊或國際會議論文，則根據附表一。每位作者之點數計算方式如下：著作為唯一作者則該著作點數乘以1.5，著作作者群人數超過3人則點數乘以0.7。

Article 3: The term "reports on significant research breakthroughs" referred to in Article 2(1) means research achievements that are reported by major international media that make substantial contributions to the College's international academic reputation, as approved by the review committee. The "important academic journal articles or international conference papers" referred to in Article 2(1) are determined according to Appendix A.

Awarded points are calculated as follows: If the author is the sole author, the points for that work are multiplied by 1.5; if the number of authors exceeds three, the points are multiplied by 0.7.

第四條 本辦法第二條第二款之國際學術指標，旨在綜合評量教師個人及研究成果發表於最近三年之國際學術影響力。評比指標包含Citations、H-index、FWCI (field-weighted citation impact)、CNCI等(前三項指標可於SciVal網頁，見附件二)，各評比指標的點數則經評審委員會認定。

Article 4: The "international academic indicators" referred to in Article 2(2) aim to comprehensively assess the impact of the individual faculty members' publications in the most recent three years. The evaluation indicators include citations, H-index, FWCI (field-weighted citation impact), CNCI, and other standards (the first three

indicators are available in SciVal, see Appendix B). The awarded points for each evaluation indicator will be determined by the review committee.

第五條 本辦法第二條第三款所稱學術專書或專章等，不含論文集、學位論文或研究成果報告，可為影音或藝文類出版品。多位作者之專書或專章等以單一作者提出申請為限。每部專書或專章等以獎勵一次為限。點數則經評審委員會認定。

Article 5: The term "academic monographs or chapters" referred to in Article 2(3) excludes conference proceedings, dissertations, or research reports but may include audiovisual or artistic publications.

For multi-author works, only one author may apply for the reward. Each monograph or chapter may receive the reward once. The awarded points will be determined by the review committee.

第六條 本辦法第二條第四款所稱國內外重要學術會議、展演或競賽，係指主辦或參加對本校學術聲望具有重要貢獻之學術活動；獲邀演講係指國內外重要學術會議演講，包含邀請演講(invited)、主題演講(keynote)、大會演講(plenary)。點數則經評審委員會認定。

Article 6: The term "important domestic or international academic conferences, exhibitions, or competitions" referred to in Article 2(4) indicates hosting or participating in academic activities that contributes significantly to the academic reputation of the University. The term "invited speeches" include invited speeches, keynote speeches, and plenary sessions at important domestic or international academic conferences. The awarded points will be determined by the review committee.

第七條 本辦法第二條第五款所稱參與重要國際學術組織職務或獲頒獎項，係指本校編制內教師擔任國際頂級期刊主編、編委；或榮獲國際重要學術組織會員(士)、輪值主席、理事、理事長等；或獲頒國際重要學術獎項。點數則經評審委員會認定。

Article 7: The term "holding positions in major international academic organizations or receiving awards" referred to in Article 2(5) indicates faculty members serving as editor-in-chief, editorial board members of top international journals; or being honored as members (fellows), rotating chairs, directors, or presidents of important international academic organizations; or receiving significant international academic awards. The awarded points will be determined by the review committee.

第八條 本辦法第二條第六款所稱校定學術指標面向包含下列三項：永續、US

Patents，以及Scopus近五年教師出版論文總引用次數(見附件二)。每年依研發處公告之校定學術指標，召開院級審查會議，決議獎勵標準、建議點數及最高採計點數。

Article 8: The term "university-defined academic indicators" in Article 2(6) refers to Sustainability, US Patents, and the total citations of faculty publications in Scopus over the past five years (see Appendix B). Each year, the College review committee will determine the reward criteria, advised awarded points, and the maximum allowable points based on the academic indicators announced by the Office of Research and Development.

第九條 獎勵辦理方式：

- 一、教師依其所屬學院之獎勵標準於每年公告申請期限截止前依研究發展處(以下簡稱研發處)公告方式申請，再由本院評審委員依本辦法獎勵標準進行初審，最後交由校級審議委員會依點數排序進行複審與決選作業。
- 二、申請者需為本校編制內教師，校內合聘教師以主聘單位提出申請。
- 三、學術研究成果採計期間為前一年度(1月1日至12月31日)，論文發表以正式出刊日期為準。以教師個人為評比對象之國際學術指標採計年份可為申請年度前三年，其中H-index指標得不限於以本校為所屬學術機構完成之學術研究成果。
- 四、本獎勵由研發處每年9月公告，各學院依研發處公告作業時程辦理。
- 五、本辦法獎勵標準每年可視需求滾動調整(惟更新之獎勵標準應於每年7月底前送至研發處更新核備)。

Article 9: Implementation of the incentives:

1. Faculty members shall apply according to the reward criteria set by the College before the application deadline announced each year, following the procedures specified by the Office of Research and Development. The College Review Committee will conduct initial reviews according to the College's reward criteria specified in these Regulations. The final review and selection will be made by the University-level Review Committee based on the points awarded.
2. Applicants must be faculty members within the University, while jointly-appointed faculty members shall apply through their primary employing unit.
3. The academic research achievements are counted for the previous calendar year (from January 1 to December 31), based on the official publication date. The international academic indicators that assess individual faculty members may be counted for the three years preceding the application year, of which the H-index indicator is not limited to works affiliated with the University.
4. The Office of Research and Development will announce the application details

each September, and the College shall follow the announced schedule.

5. These criteria can be revised as needed annually with updates submitted to the Office of Research and Development for approval by the end of each July.

第十條 如需評審委員會，由院長或院長指定之教師一人召集4~6人組成審議委員會評審。

Article 10: If a review committee is required, the dean or a faculty member designated by the dean shall convene a committee of 4 to 6 members to conduct the review.

第十一條 本辦法經院務會議通過後實施，修改時亦同。

Article 11: These regulations shall take effect upon approval by the College Council. Amendments shall follow the same procedure.

Appendix A

Journal List

以下為頂尖期刊之一般標準

Journals in the list below are regarded as the benchmark for top journals:

獎勵標的 Reward Criteria			建議點數 Advised Awarded Points
頂尖著作 Top Publications	<p>►Nature 與 Science 之論文(不包含子刊)。</p> <p>Papers published in the journals Nature or Science (excluding sub-journals).</p> <p>►發表於期刊有被排名於國科會期刊排名或計畫審查標準中(最新版為準)，財會與經濟 A+以上，或管一第一級，管二各領域前三，或區域研究與地理學門的優良期刊(區域研究與地理學門並應滿足 ISI/WOS/JCR 資料庫相關領域之 SCI/SCIE/SSCI/A&HCI 其所屬次領域 Impact Factor Rank 排名前三名或是前 2%)。由作者提供排名資料證明</p> <p>Papers published in journals ranked in the NSTC Journal Rankings or Program Review Criteria (the latest version):</p> <ul style="list-style-type: none"> • Finance and Economics: A+ or above • Management I: Tier 1 • Management II: top 3 in each area • Excellent journals in Regional Studies and Geography (must also rank within the top 3 or top 2% by Impact Factor in their respective subfields under SCI/SCIE/SSCI/A&HCI in the ISI/WOS/JCR databases.) <p>Proof of ranking information shall be provided by the author(s).</p> <p>►發表之期刊如不在上述國科會期刊排名或計畫審查標準中(最新版為準)，則請作者提供期刊值得被認為是頂尖期刊之有效理據然後由委員會認定(委員會得向下調整期刊等級)。有效理據包含接</p>		每篇 16 點 16 points per work

		<p>受/拒絕率, 編輯群之學術聲望與所屬學校聲望, 其他期刊排名等(比如於其所屬次領域 SCI/SCIE/SSCI/A&HCI 之 Impact Factor Rank 排名前三名或是前 2%,但是仍以委員會以其學術聲望做最後決定)。</p> <p>Authors must provide valid reasons why the journal should be recognized as a leading journal for the committee's approval when publishing in journals that are not included in the mentioned NSTC journal rankings or program review criteria, and the committee reserves the right to adjust the journal's rankings downwards. Valid reasons include acceptance/rejection rate, the academic reputation of the editorial board and the university, other journal rankings (e.g., top 3 or 2% of the Impact Factor Rank of SCI/SCIE/SSCI/A&HCI of the journal's subfield, but the committee will make the final decision based on the academic reputation of the journal).</p> <p>►任職於科法所或從事人機介面與設計相關之同仁, 其著作論文或書籍則請作者提供值得被認為相當於頂尖期刊之有效理據然後由委員會認定。</p> <p>For faculty members from the Institute of Law for Science and Technology or in the fields related to Human Machine Interface and Design, authors must provide valid justifications for their papers or books to be considered equivalent to top-tier journals, subject to the committee's approval.</p> <p>►其他發表之會議論文, 專書與專章(不含論文集、學位論文或研究成果報告), 則請作者提供期刊值得被認為是相當於頂尖期刊論文之有效理據然後由委員會認定(委員會得向下調整等級)。[經濟系: 則請作者提供期刊、會議論文、專書或專章值得被認為符合頂尖等級之有效理據然後由委員會認定(委員會得向下調整期刊、會議論文、專書或專章等級).]</p>	
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		For other publication such as conference papers, books, and chapters (not including proceedings, dissertations, or research reports), authors must provide valid justifications that they are equivalent to top-tier journal articles, subject to the committee's approval (the committee may adjust the level downwards). [For the Department of Economics: authors must provide valid justifications for the journal, conference paper, book or chapter to be considered as equivalent to a leading journal article for the committee's approval (the committee may adjust the level of the journal, conference paper, book or chapter downwards).	
	<p>標竿著作 Benchmark Publications</p>	<p>►發表於 Financial Times Business School 50 Journals 之期刊</p> <p>Papers published in journals on the Financial Times Top 50 list.</p> <p>►發表於期刊有被排名於國科會期刊排名或計畫審查標準中(最新版為準)，財會 A_Tier1 以上，或經濟 A 級以上，管二各領域前八，或管一推薦學術期刊或區域研究與地理學門的優良期刊(管一與區域研究與地理學門期刊並應滿足 ISI/WOS/JCR 資料庫相關領域之 SCI/SCIE/SSCI/A&HCI 其所屬次領域 Impact Factor Rank 排名前 10 名或是前 5%，或是 Impact Factor ≥ 10 之期刊)。由作者提供排名資料證明</p> <p>Papers published in NSTC-ranked journals (latest version):</p> <ul style="list-style-type: none"> • Finance: A_Tier 1 or above • Economics: A or above • Management II: top 8 • Management I recommended journals • Excellent journals in Regional Studies and Geography <p>Journals in Management I and in Regional Studies</p>	<p>每篇 8 點 最高 16 點</p> <p>8 points per work/ maximum 16 points</p>

		<p>and Geography must rank within the top 10 or top 5% by Impact Factor in their respective subfields under SCI/SCIE/SSCI/A&HCI in the ISI/WOS/JCR databases, or have an Impact Factor of 10 or higher. Proof of ranking information shall be provided by the author(s).</p> <p>►發表之期刊如不在上述 Financial Times 與國科會期刊排名或計畫審查標準中(最新版為準), 則請作者提供期刊值得被認為是標竿期刊之有效理據然後由委員會認定(委員會得向下調整期刊等級)。有效裡據包含接受/拒絕率, 編輯群之學術聲望與所屬學校聲望, 其他期刊排名等(比如於其所屬次領域 SCI/SCIE/SSCI/A&HCI 之 Impact Factor Rank 排名排名前 10 名或是前 5%, 或是 Impact Factor ≥ 10 之期刊, 但是仍以委員會以其學術聲望做最後決定)。</p> <p>Authors must provide valid reasons why the journal should be recognized as a benchmark journal for the committee's approval when publishing in journals that are not included in the mentioned Financial Times, NSTC journal rankings, or program review criteria, and the committee reserves the right to adjust the journal's rankings downwards. Valid reasons include acceptance/rejection rate, the academic reputation of the editorial board and the university, other journal rankings (e.g., top 10 or 5% of the Impact Factor Rank of SCI/SCIE/SSCI/A&HCI of the journal's subfield, or an Impact Factor of 10 or higher. The committee will make the final decision based on the academic reputation of the journal).</p> <p>►任職於科法所或從事人機介面與設計相關之同仁, 其著作論文或書籍則請作者提供值得被認為相當於標竿期刊之有效理據然後由委員會認定。</p> <p>For faculty members from the Institute of Law for Science and Technology or in fields related to Human Machine Interface and Design, authors must provide</p>	
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		<p>valid justifications for their papers or books to be considered equivalent to benchmark journals, subject to the committee's approval.</p> <p>►其他發表之會議論文,專書與專章(不含論文集、學位論文或研究成果報告),則請作者提供期刊值得被認為是標竿期刊論文之有效理據然後由委員會認定(委員會得向下調整期刊等級)。</p> <p>For other publication such as conference papers, books, and chapters (not including proceedings, dissertations, or research reports), authors must provide valid justifications for the work to be considered equivalent to a benchmark journal article, subject to the committee's approval (the committee may adjust the journal's ranking downwards).</p>	
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Appendix B 附件二

How to get “個人及研究成果發表於最近三年之國際學術影響力。評比指標包含 Citations、H-index、FWCI (field-weighted citation impact) (前三項指標可於 SciVal 網頁)”

Guide for obtaining the international academic impact in the past three years.

The evaluation indicators include Citations, H-index, and FWCI (field-weighted citation impact). The first three indicators can be found on the SciVal website.

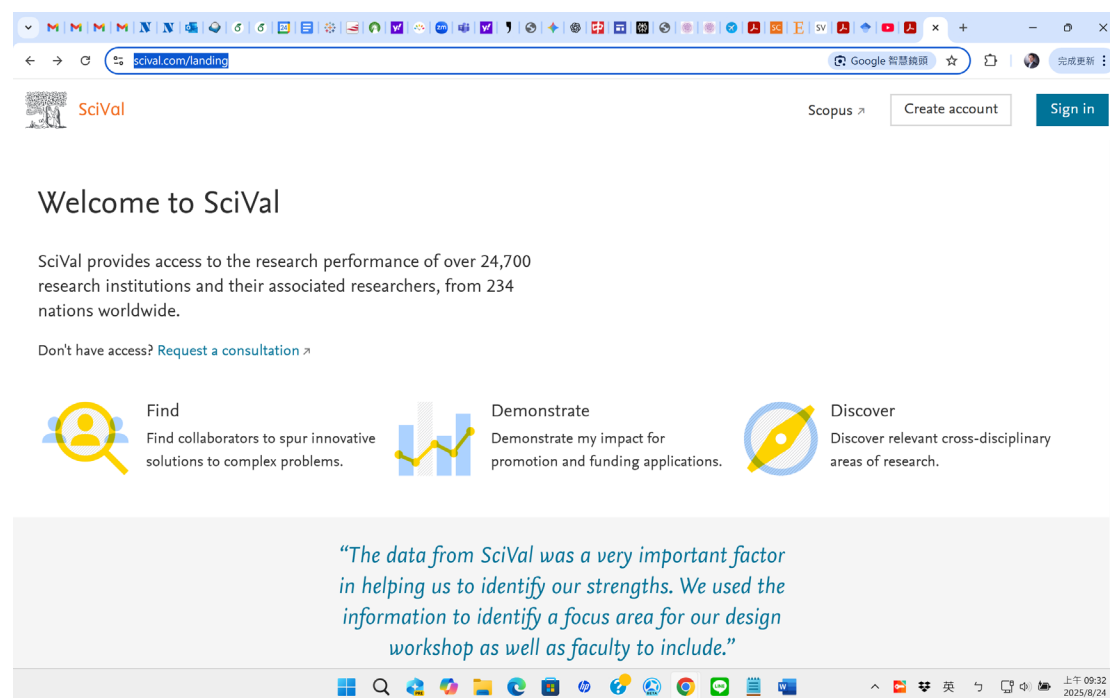
簡易版 NTHU's simple guide:

<https://rd.nthu.edu.tw/userfiles/files/20250815134939728.pdf>

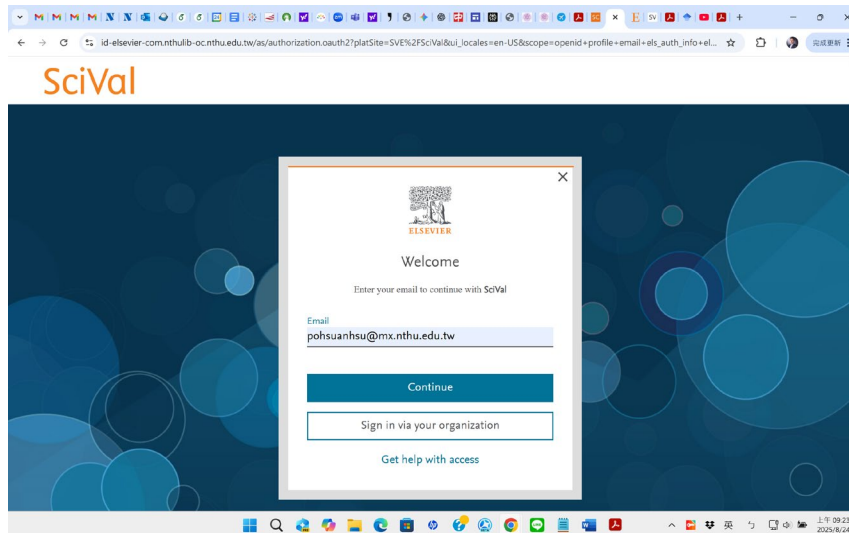
Step-by-step procedure:

Search “SciVal” (which is a part of Scopus) in Google, then you will find this link:

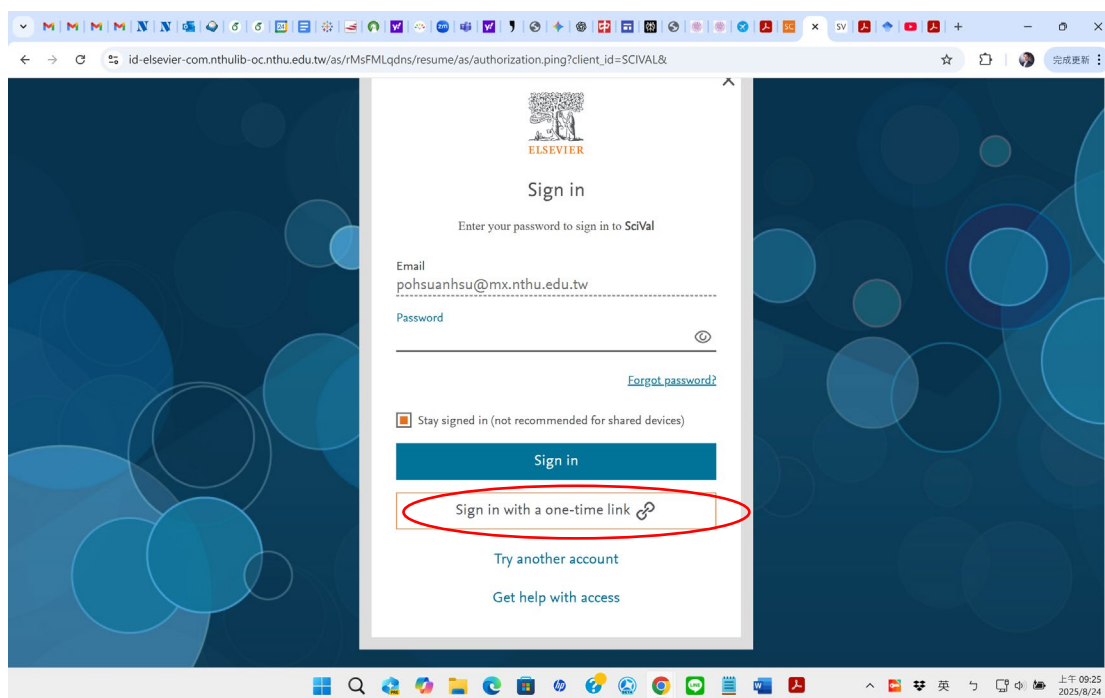
<https://www.scival.com>



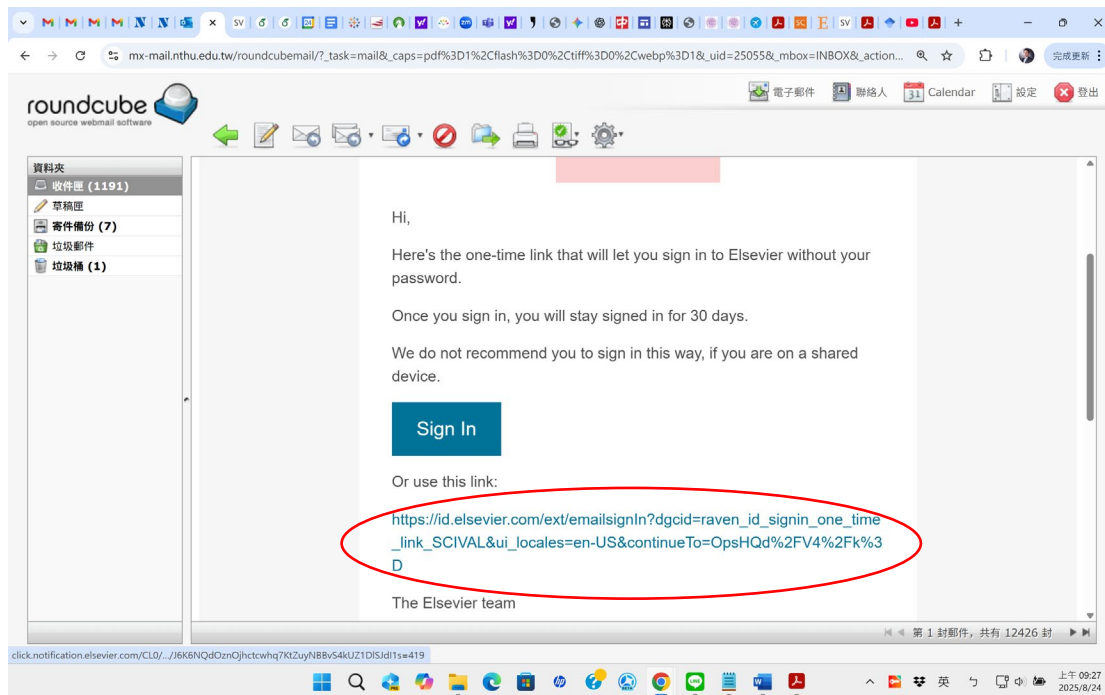
Then you can enter your email as below, and click “continue”



Then, you will see the system asks for your password. You do NOT need to input it. You can just click “Sign in with a one-time link”



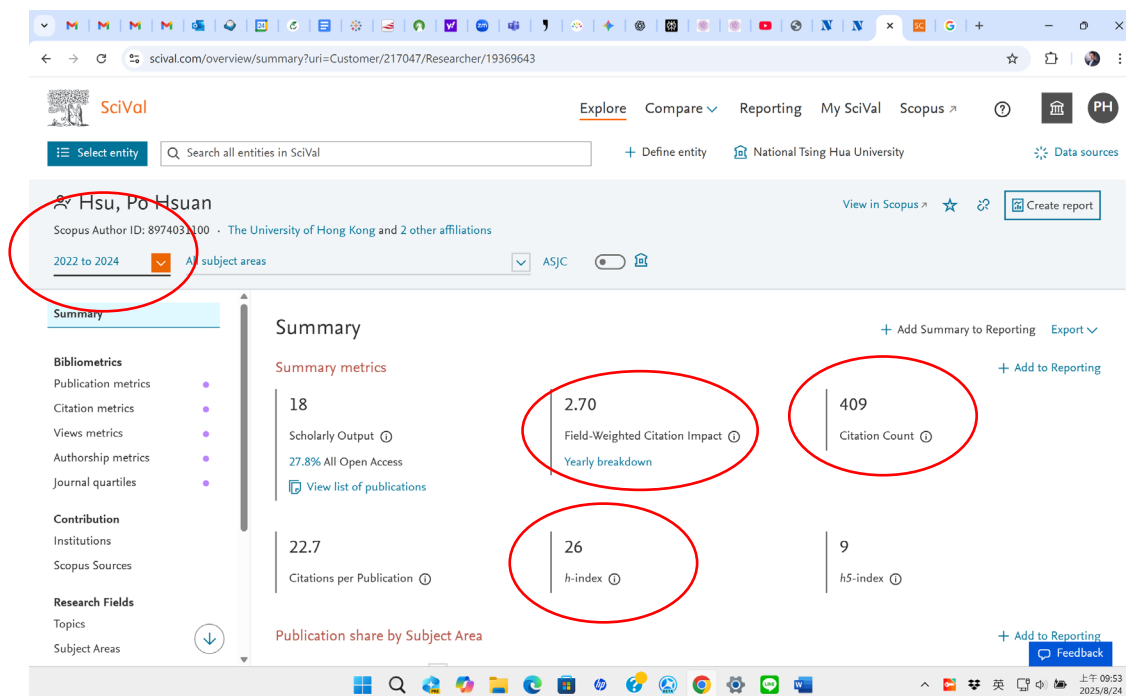
Then you will get an email in your NTHU email account, and let's click the link



NOTE: if you are NOT on campus, then you will need to log in using VPN

Enter into your SciVal webpage (note: if you find your profile, you may enter your name or ORCID to search for your profile)

Now, select 2022-2024 (最近三年), then you will see your FWCI, Citation, and H-index



Now, select 2020-2024 (最近五年) , then you will see your “Scopus 近五年教師出版論文總引用次數”

SciVal profile for Po Hsuan Hsu (Scopus Author ID: 8974031100). The profile shows metrics for the period 2020 to 2024. The Citation Count is 705.

Metric	Value
Scholarly Output	24
Field-Weighted Citation Impact	2.63
Citation Count	705
All Open Access	20.8%
Citations per Publication	29.4
h-index	26
h5-index	9

NOTE: Here is an alternative way to get your profile via Scopus

You go to www.scopus.com

Find yourself through “Authors” or ORCID

Scopus website showing the 'Start exploring' section. The 'Authors' tab is selected. Search fields for last name and first name are visible, along with a 'Search' button.

Find your profile and click the number of your documents – in my case, I clicked “56”

Author last name "HSU", Author first name "PO-HSUAN"

Sort on: Document count (high-low)

Author	Documents	Affiliation	City	Country/Territory
1 Hsu, Po Hsuan	56	The University of Hong Kong	Hong Kong	Hong Kong
2 Hsu, Pohsuan Hsu, Po Hsuan	4	Taipei Medical University	Taipei	Taiwan
3 Hsu, Hsuanpo Hsu, Hsuan Po	3	National Yang Ming Chiao Tung University	Hsinchu	Taiwan
4 Hsu, Pohsuan Hsu, Po Hsuan	1	Chung Yuan Christian University	Taoyuan	Taiwan

Then you will see the list of your publications. I will input 2020-2024 and click “>” (依據獎勵辦法”最近五年”)

56 documents found

Refine search: Search within results

Filters: Year (Range selected)

Year: 2020 - 2024 >

Document title	Authors	Source	Year	Citations
1 Article Industry-University Collaboration and Commercializing Chinese Corporate Innovation	Hsu, D.H., Hsu, P.-H., Zhou, K., Zhou, T.	Management Science, 71(6), pp. 5351-5375	2025	4
2 Article Mutual Funds' Conditional Performance Free of Data Snooping Bias	Hsu, P.-H., Kyriakou, J., Ma, T., Sermpinis, G.	Journal of Financial and Quantitative Analysis, 60(3), pp. 1373-1400	2025	0
3 Article Environmental liabilities, borrowing costs, and pollution prevention activities: The nationwide impact of the Apex Oil ruling	Chen, J., Hsieh, P.-F., Hsu, P.-H., Levine, R.	Journal of Corporate Finance, 91, 102739	2025	0

Adjust the number of papers in each page to accommodate all publications in one page

www.scopus-com.nthulib-oc.nthu.edu.tw/results/results.uri?sort=plf-f&src=s&st1=HSU&st2=PO-HSUAN&nla=1&nlr=20&nls=count-f&sid=00...

Article	Authors	Source	Year	Citations
22 Benchmarking U.S. university patent value and commercialization efforts: A new approach	Hsu, D.H., Hsu, P.-H., Zhou, L., Ziedonis, A.A.	Research Policy, 50(1), 104076	2021	33
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