



NEWS RELEASE

Singapore, 15 November 2023

NTU Singapore's strength in research excellence sees it ranked 22nd globally and first in Singapore with most number of highly cited researchers

Nanyang Technological University, Singapore (NTU Singapore) is up one spot to 22nd globally in this year's **Highly Cited Researchers list by Clarivate**, a United Kingdom-based data company.

For the sixth year running, the University has the largest number of influential scientists among Singapore institutions recognised, with 42 NTU researchers that have significant and broad influence in their fields of research named.

These 42 scientists account for 44 mentions in the list, with two individuals recognised more than once. In 2022, NTU had 41 researchers with 44 mentions.

According to Clarivate, of the world's population of scientists and social scientists, just one in 1,000 are highly cited researchers.

About half of the listed NTU researchers this year are cited for their interdisciplinary work, affirming progress in delivering on a key aim of the University's five-year **NTU 2025 strategic plan** – to support high-impact interdisciplinary research to address humanity's grand challenges, such as mitigating people's impact on the environment and responding to the needs and challenges of healthy living and ageing.

There are 6,800 international scientists from nearly 70 countries and regions in this year's list, which identifies and celebrates the world's most influential scientists for their impact on the research community, based on the rate at which their work has been cited by others over the last decade.

NTU Vice President (Research) Prof Luke Ong said: "The NTU 2025 research strategy is a roadmap for the University to create societal impact through interdisciplinary research that solves real-world problems. At NTU, faculty members, researchers, and administrators aim to excel in their roles to co-create a conducive research environment. Emerging first in Singapore with the highest number of highly

cited researchers named is a testament to the University's efforts and our contributions towards research excellence in the country and the world."

David Pendlebury, Head of Research Analysis at the Institute for Scientific Information at Clarivate said: "The Highly Cited Researchers list identifies and celebrates exceptional individual researchers at NTU Singapore whose significant and broad influence in their fields translates to impact in their research community and innovations that make the world healthier, more sustainable and more secure. Their contributions resonate far beyond their individual achievements, strengthening the foundation of excellence and innovation in research. They have also helped NTU to come up tops again in Singapore and contributed significantly to the country doing well on this year's list."

Singapore has 109 highly cited researchers on Clarivate's list in 2023 and is now 11th globally. Last year, it placed 10th.

Who's who of influential researchers

Clarivate's Highly Cited Researchers list recognises researchers whose citation records place them in the top 1 per cent based on the number of citations for their fields and year across about 20 disciplines, including chemistry, engineering, economics and the social sciences.

The NTU scientists on the list focus on research areas such as artificial intelligence, biomedical engineering, clean energy, clinical medicine, immunology, materials science and quantum technologies. Of the 42 NTU scientists in the list, about half of them, or 24 individuals, are recognised for their interdisciplinary research.

On the list are NTU academic leaders **Prof Joseph Sung**, Senior Vice President (Health and Life Sciences) and Dean of NTU's Lee Kong Chian School of Medicine; **Prof Lee Pooi See**, Associate Provost (Graduate Education) and Dean of NTU's Graduate College; and **Prof Madhavi Srinivasan**, Executive Director of the NTU Sustainability Office and the Energy Research Institute @ NTU.

Two NTU researchers are among only 238 globally recognised for their work in two research areas in Clarivate's list – **Prof Xu Zhichuan Jason** from the School of Materials Science and Engineering and **Prof Pu Kanyi** from the School of Chemistry, Chemical Engineering and Biotechnology are both named for their research in chemistry and materials science.

Prof Xu's primary research interest lies in electrocatalysis for developing greener alternatives to carbon-based fuels, encompassing areas such as hydrogen fuel, carbon dioxide reduction and various chemical transformations. Prof Pu's research covers molecular imaging and chemical biology, such as for producing tools made of biochemicals for diagnosing diseases and medical therapy.

Part of Prof Pu's work requires him to combine chemistry with materials science. "Knowledge in chemistry is needed to synthesise the molecular probes my team creates to detect diseases through medical imaging," he said. "But we have also applied materials science principles to package the probes with other compounds to create tiny nano-sized particles that also have the potential for treating diseases."

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Notes to Editor:

NTU Singapore scientists in the Highly Cited Researchers 2023 list:

	First name	Last name	Field of research
1	Kanyi	Pu	Chemistry; materials science
2	Zhichuan J.	Xu	Chemistry; materials science
3	Yanli	Zhao	Chemistry
4	Joseph Jao-yiu	Sung	Clinical medicine
5	Erik	Cambria	Computer science
6	Dusit	Niyato	Computer science
7	Chau	Yuen	Computer science
8	Peng	Chen	Cross-field
9	Zhong	Chen	Cross-field
10	Kit Wayne	Chew	Cross-field
11	Shuo	Dou	Cross-field
12	Bu Yuan	Guan	Cross-field
13	Jiaguo	Huang	Cross-field
14	Yuyan	Jiang	Cross-field
15	Jong-Min	Lee	Cross-field
16	Pooi See	Lee	Cross-field
17	Jingchao	Li	Cross-field
18	Qinghua	Liang	Cross-field
19	Weisi	Lin	Cross-field
20	Deyan	Luan	Cross-field
21	Nripan	Mathews	Cross-field
22	Subodh G.	Mhaisalkar	Cross-field
23	Jianwei	Nai	Cross-field
24	Zexiang	Shen	Cross-field
25	Jibin	Song	Cross-field
26	Madhavi	Srinivasan	Cross-field
27	Tze Chien	Sum	Cross-field
28	Dingyuan	Tang	Cross-field
29	Ya	Yan	Cross-field
30	Y.	Zhang	Cross-field
31	Kun	Zhou	Cross-field

32	Changyun	Wen	Engineering
33	Laurent	Renia	Immunology
34	Xiaodong	Chen	Materials science
35	Hong Jin	Fan	Materials science
36	Zheng	Liu	Materials science
37	Xin	Wang	Materials science
38	Qingyu	Yan	Materials science
39	Scott A.	Rice	Microbiology
40	Guoqing	Chang	Physics
41	Yidong	Chong	Physics
42	Ranjan	Singh	Physics

The full Highly Cited Researchers 2023 list can be found online [here](#).

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About Nanyang Technological University, Singapore

A research-intensive public university, Nanyang Technological University, Singapore (NTU Singapore) has 33,000 undergraduate and postgraduate students in the Engineering, Business, Science, Medicine, Humanities, Arts, & Social Sciences, and Graduate colleges.

NTU is also home to world-renowned autonomous institutes – the National Institute of Education, S Rajaratnam School of International Studies and Singapore Centre for Environmental Life Sciences Engineering – and various leading research centres such as the Earth Observatory of Singapore, Nanyang Environment & Water Research Institute and Energy Research Institute @ NTU (ERI@N).

Under the NTU Smart Campus vision, the University harnesses the power of digital technology and tech-enabled solutions to support better learning and living experiences, the discovery of new knowledge, and the sustainability of resources.

Ranked amongst the world’s top universities, the University’s main campus is also

frequently listed among the world's most beautiful. Known for its sustainability, NTU has achieved 100% Green Mark Platinum certification for all its eligible building projects. Apart from its main campus, NTU also has a medical campus in Novena, Singapore's healthcare district.

For more information, visit www.ntu.edu.sg