



NEWS RELEASE

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Largest number of highly cited researchers in Singapore comes from NTU Singapore for fourth successive year

Thirty six scientists from **Nanyang Technological University, Singapore (NTU Singapore)** have been recognised for their significant and broad influence in their fields of research – the highest number among institutions in Singapore.

This is the fourth year that NTU has had the greatest number of highly cited researchers amongst institutions in Singapore.

The 36 scientists are among over 6,600 international researchers named today in the **Highly Cited Researchers 2021 list by Clarivate Analytics**, a US-based data company. The closely watched annual list identifies and celebrates the world's most influential scientists in terms of their impact on the research community, as measured by the rate at which their work has been cited by others over the last decade.

NTU Senior Vice President (Research) Prof Lam Khin Yong said: "NTU's consistently good showing on the Highly Cited Researchers list bears testament to the University's success in cultivating an environment that motivates curiosity-driven and applications-inspired research that is collaborative, global, and interdisciplinary in nature. This will in turn strengthen deep disciplinary discoveries and high-impact interdisciplinary research, which form a core pillar of the NTU 2025 five-year strategic plan to create societal impact and address humanity's grand challenges."

David Pendlebury, Senior Citation Analyst, Institute for Scientific Information at Clarivate said: "It is increasingly important for nations and institutions to recognise and support the exceptional researchers who are driving the expansion of the world's knowledge. This list identifies and celebrates exceptional individual researchers at NTU Singapore who are having a significant impact on the research community as evidenced by the rate at which their work is being cited by their peers. The research they have contributed is fueling the innovation, sustainability, health and security that is key for our society's future."

The ‘Who’s Who’ of scientists

This year’s Highly Cited Researchers list continues to recognise researchers whose citation records place them in the top 1 per cent based on the number of citations for their fields and year across 21 disciplines, such as science, engineering, medicine, and social sciences.

The NTU scientists on this list focus on research in areas covering: immunology, clean and renewable energy, artificial intelligence, biomedical engineering, and environmental sciences – all areas that align with the University’s commitment to deliver technologies and solutions to shape a better future for all. Of the 36 NTU scientists in the list, 17 are specifically recognised for their interdisciplinary research.

One of them is **Prof Laurent Renia**, whose research interests span from the immunology of infectious diseases and newly emerging viruses (such as the SARS-CoV-2) to the development of new immunological assays and animal models that can be used to study communicable and non-communicable diseases like cancer. Another is **Prof Zhao Yanli**, whose work in organic and materials chemistry branches out into the related fields of biological, physical, and medicinal chemistry for real-world needs, such as sensing devices for medical diagnostics.

Also on the list are NTU academic leaders **Prof Joseph Sung**, Senior Vice President (Health & Life Sciences) and Dean of NTU’s Lee Kong Chian School of Medicine; **Prof Subodh Mhaisalkar**, Associate Vice President (Strategy and Partnerships) and Executive Director of the Energy Research Institute @ NTU (ERIAN); **Prof Staffan Kjelleberg**, Director of the Singapore Centre for Environmental Life Sciences Engineering, **Prof Lee Pooi See**, Dean of NTU’s Graduate College; and **Prof Madhavi Srinivasan**, who heads the NTU Sustainability Office, which was launched as part of the University’s recently announced **Sustainability Manifesto**.

Prof Joseph Sung, a renowned researcher in gastroenterology and hepatology who is also interested in the use of artificial intelligence (AI) in clinical medicine, said: “AI and robotics have huge potential in transforming medical care, but few ideas have been translated into clinical practices, such as in elderly care. It is crucial to unravel the intricacies of such technologies and understand the effectiveness of such technologies before we can develop beneficial tools. NTU is the ideal institution to bring together the right mix of scientists across disciplines to achieve these outcomes.”

Stalwarts on the list since 2014 include **Prof David Lou** in chemistry, materials science, and physics; **Prof Huang Guang-Bin** in computing; and **Prof David Wardle** in environmental science.

The full Highly Cited Researchers 2021 list and executive summary can be found online [here](#).

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Note to Editors:

NTU Singapore scientists in the Highly Cited Researchers 2021 list:

	First Name	Last Name	Field of research
1	Bu Yuan	Guan	Chemistry
2	Bin	Liu	Chemistry
3	Xiong Wen (David)	Lou	Chemistry; Materials Science; Physics
4	Joseph Jao-Yiu	Sung	Clinical Medicine
5	Guang-Bin	Huang	Computer Science
6	Dusit	Niyato	Computer Science
7	Ponnuthurai N.	Suganthan	Computer Science
8	Ping	Wang	Computer Science
9	Peng	Chen	Cross-Field
10	Zhong	Chen	Cross-Field
11	Staffan	Kjelleberg	Cross-Field
12	Pooi See	Lee	Cross-Field
13	Jingchao	Li	Cross-Field
14	Weisi	Lin	Cross-Field
15	Nripan	Mathews	Cross-Field
16	Subodh G.	Mhaisalkar	Cross-Field
17	Laurent	Renia	Cross-Field
18	Zexiang	Shen	Cross-Field
19	Jun	Song Chen	Cross-Field
20	Madhavi	Srinivasan	Cross-Field
21	Tze Chien	Sum	Cross-Field
22	Wenguang	Tu	Cross-Field
23	Qihua	Xiong	Cross-Field
24	Yanli	Zhao	Cross-Field
25	Xu	Zhen	Cross-Field
26	Changyun	Wen	Engineering
27	David	Wardle	Environment and Ecology
28	Xiaodong	Chen	Materials Science
29	Hong Jin	Fan	Materials Science
30	Zheng	Liu	Materials Science
31	Kanyi	Pu	Materials Science
32	Xin	Wang	Materials Science
33	Zhichuan J.	Xu	Materials Science

34	Qingyu	Yan	Materials Science
35	Guoqing	Chang	Physics
36	Dingyuan	Tang	Physics

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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, Humanities, Arts, & Social Sciences, and Graduate colleges. It also has a medical school, the Lee Kong Chian School of Medicine, set up jointly with Imperial College London.

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

Ranked amongst the world’s top universities by QS, NTU has also been named the world’s top young university for the past seven years. The University’s main campus is frequently listed among the Top 15 most beautiful university campuses in the world and it has 57 Green Mark-certified (equivalent to LEED-certified) building projects, of which 95% are certified Green Mark Platinum. Apart from its main campus, NTU also has a campus in Singapore’s healthcare district.

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.

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