



**Jackie Y. Ying** received her B.E. and Ph.D. from The Cooper Union and Princeton University, respectively. She joined the faculty at Massachusetts Institute of Technology in 1992, where she was Professor of Chemical Engineering until 2005. She was the Founding Executive Director of the Institute of Bioengineering and Nanotechnology in Singapore (2003-2018). She currently leads the NanoBio Lab as A\*STAR Senior Fellow. For her research on nanostructured materials and bioengineering, Prof. Ying has been recognized with the American Ceramic Society Ross C. Purdy Award, David and Lucile Packard Fellowship, Office of Naval Research Young Investigator Award, National Science Foundation Young Investigator Award, Camille Dreyfus Teacher-Scholar Award, American Chemical Society Faculty Fellowship Award in Solid-State Chemistry, Technology Review's Inaugural TR100 Young Innovator Award, American Institute of Chemical Engineers (AIChE) Allan P. Colburn Award, International Union of Biochemistry and Molecular Biology Jubilee Medal, Materials Research Society Fellowship, Royal Society of Chemistry Fellowship, Crown Prince Grand Prize in the Brunei Creative, Innovative Product and Technological Advancement (CIPTA) Award, American Institute for Medical and Biological Engineering Fellowship, Academy of Sciences of Iran Medal of Honor, American Association for the Advancement of Science Fellowship, Islamic World Academy of Sciences-COMSTech Ibrahim Memorial Award, Singapore National Academy of Science Fellowship, Islamic World Academy of Sciences Fellowship, U.S. National Academy of Inventors Fellowship, Clarivate Analytics Highly Cited Researcher, Turkish Academy of Sciences (TÜBA) Academy Prize in Science and Engineering Sciences and Honorary Membership, and *Journal of Drug Targeting's* Lifetime Achievement Award.

Prof. Ying was elected a World Economic Forum Young Global Leader, and a member of the German National Academy of Sciences, Leopoldina. She was named one of the "One Hundred Engineers of the Modern Era" by AIChE in its Centennial Celebration. She was selected by The Muslim 500 in 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019 and 2020 to be one of the world's 500 most influential Muslims. She was named as one of the 300 most powerful and influential people in Singapore by The Tatler 300 List in 2018. She was selected as an Inaugural Inductee for the Singapore Women's Hall of Fame in 2014. She was the inaugural winner of the Mustafa Prize "Top Scientific Achievement Award" in 2015 for her research in bio-nanotechnology. The laureate of this science and technology award receives a certificate, an engraved medal and US\$500,000 in prize money. She was the Founding Editor-in-Chief of *Nano Today*, which has an impact factor of 16.907.

Prof. Ying has authored 370 articles with more than 28,780 citations (*h* index: 80). She has 190 primary patents granted or pending, 39 of which have been licensed to multinational and start-up companies.