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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, Academy of Sciences of Iran Medal of Honor, Islamic World Academy of Sciences-COMSTECH Ibrahim Memorial Award, Clarivate Analytics Highly Cited Researcher, Turkish Academy of Sciences (TÜBA) Academy Prize in Science and Engineering Sciences, and *Journal of Drug Targeting's* Lifetime Achievement Award.

Prof. Ying is an elected Member of the German National Academy of Sciences - Leopoldina, TÜBA, and U.S. National Academy of Engineering. She is a Fellow of Materials Research Society, Royal Society of Chemistry, American Institute for Medical and Biological Engineering, American Association for the Advancement of Science, Singapore National Academy of Science, Islamic World Academy of Sciences, and U.S. National Academy of Inventors.

Prof. Ying was elected a World Economic Forum Young Global Leader. She was named one of the “One Hundred Engineers of the Modern Era” by AIChE in its Centennial Celebration. She was an Inaugural Inductee for the Singapore Women’s Hall of Fame. She was the inaugural winner of the Mustafa Prize “Top Scientific Achievement Award” in 2015 for her research in bio-nanotechnology. She was the Founding Editor-in-Chief of *Nano Today*.