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Peng Chen is the Peter J.W. Debye Professor of Chemistry at Cornell University. He received his B.S. in Chemistry from Nanjing University, China in 1997; did one-year graduate research with Yitzhak Tor at University of California, San Diego; completed his PhD with Edward Solomon at Stanford University in bioinorganic/physical inorganic chemistry in January 2004; and postdoc-ed with Sunney Xie at Harvard University in single-molecule biophysics. Since starting at Cornell University in 2005, his research group has pioneered the study of single-nanoparticle catalysis, electrocatalysis, and photoelectrocatalysis; of living polymerizations by single molecular catalysts; and of biological inorganic systems in vitro and in living cells; using single-molecule/particle imaging and manipulation methods. His current research interests are heterogeneous and homogeneous catalysis, bacterial metal homeostasis, and bioenergy conversion.

He is a Member of American Academy of Arts and Sciences and a Fellow of American Association for the Advancement of Science. He has received Dreyfus New Faculty Award, NSF Career Award, Sloan Fellowship, Paul Saltman Award, Coblentz Award, ACS Early-Career Award in Experimental Physical Chemistry, Excellence in Catalysis Award from the Catalysis Society of Metro NY, Bau Family Award in Inorganic Chemistry, Chemical Pioneer Award, ISE-Elsevier Prize in Experimental Electrochemistry, etc. He has given many named, plenary, and keynote lectures.

He is an Associate Editor for the ACS journal *Chemical & Biomedical Imaging* and previously for the Wiley journal *Natural Sciences*. He serves on the editorial advisory boards of many other journals. He has also served on many US and international grant review panels and was a standing member and later chairperson of the NIH Enabling Bioanalytical and Imaging Technologies (EBIT) Study Section from 2017-2023.