
**Prof. Dr. Hua Zhang**
***(City University of Hong Kong, China)***

**Brief CV**

Dr. Hua Zhang obtained his B.S. and M.S. degrees at Nanjing University in China in 1992 and 1995, respectively, and completed his Ph.D. with Prof. Zhongfan Liu at Peking University in China in July 1998. He joined Prof. Frans C. De Schryver's group at Katholieke Universiteit Leuven (KULeuven) in Belgium as a Research Associate in January 1999. Then he moved to Prof. Chad A. Mirkin's group at Northwestern University as a Postdoctoral Fellow in July 2001. He started to work at NanoInk Inc. (USA) as a Research Scientist/Chemist in August 2003. After that, he worked as a Senior Research Scientist at Institute of Bioengineering and Nanotechnology in Singapore from November 2005 to July 2006. Then he joined the School of Materials Science and Engineering in Nanyang Technological University (NTU) as an Assistant Professor. He was promoted to a tenured Associate Professor on March 1, 2011, and Full Professor on Sept. 1, 2013. In 2019, he joined the Department of Chemistry in City University of Hong Kong as a Chair Professor, and currently he is the Herman Hu Chair Professor of Nanomaterials and the Director of Hong Kong Institute for Clean Energy.

He has published 8 invited book chapters, over 100 patent applications (including granted 1 China patent, 1 European patent, 3 Singapore patents, and 10 US patents), and over 570 papers. Some of his papers have been published in *Nature*, *Science*, *Nat. Mater.*, *Nat. Chem.*, *Nat. Catal.*, *Nat. Rev. Mater.*, *Nat. Rev. Chem.*, *Nat. Commun.*, *Sci. Adv.*, *Nat. Protocols*, *Chem. Rev.*, *Chem. Soc. Rev.*, *Acc. Chem. Res.* (4), *Acc. Mater. Res.*, *J. Am. Chem. Soc.*, *Angew. Chem. Int. Ed.*, *Adv. Mater.*, *etc.* As at *Dec. 2024*, the total cited times are over 135,500 with H-index of 183 (*Web of Science*), and over 154,100 with H-index of 193 (*Google Scholar*). He has been invited to give more than 300 Plenary, Keynote or Invited Talks in international conferences, universities and institutes. He has organized several tens of international conferences and served as the Conference (Co-)Chair or Symposium Chair.

He is the co-Editor-in-Chief of *SmartMat* (2020-) and co-Chairman of the Editorial Board of *ChemNanoMat* (2015-), and sits on the Advisory Board of *Chemical Society Reviews* (2012-2019), *Aggregate* (2020-present), *Chemical Journal of Chinese Universities* (2019-), *Energy Materials and Devices* (2023-), *Materials Chemistry Frontiers* (2016-), *Matter* (2019-), *Nanoscale* (2012-), *Nanoscale Horizons* (2015-) and *NPG Asia Materials* (2018-), the Editorial Advisory Board of *ACS Nano* (2014-), *Advanced Functional Materials* (2018-), *Advanced Materials* (2019-), *Small* (2012-), *ACS Appl. Mater. Interfaces* (2014-2019), *Chem. Mater.* (2014-2019) and *Nanofabrication* (2012-2020), the Editorial Board of *2D Materials* (2022-), *ACS Omega* (2016-), *Acta Physico-Chimica Sinica* (2020-), *Applied Materials Today* (2015-), *Carbon* (2013-), *CHEM* (2016-), *Chemical Reviews* (2024-), *Chemistry-Methods* (2020-), *Chinese Science Bulletin* (2014-), *Electron* (2023-), *Energy Storage Materials* (2015-), *EnergyChem* (2018-), *eScience* (2020-), *Graphene Technology* (2016-), *Materials Today Energy* (2016-), *NANO* (2007-2020), *Nano Convergence* (2020-), *npj 2D Materials and Applications* (2016-), *National Science Review* (2023-), *Research* (2021), *The Innovation* (2020-), *Transactions of Tianjin University* (2019), and *Science China Materials* (2014-), the International Advisory Board of *Chemistry – An Asian Journal* (2018-) and *Materials Research Express* (2014-2016), the International Editorial Board of *ChemPlusChem* (2012-2015), and the Scientific Advisory Board of *Small Methods* (2017-).


In 2020, he was elected as a *Foreign Fellow* of the European Academy of Sciences (*EurASc*). In 2015, he was elected as an *Academician* of the Asia Pacific Academy of Materials (*APAM*). In 2014, he was elected as a *Fellow* of the Royal Society of Chemistry (*FRSC*). He was listed in the "*Highly Cited Researchers*" in *Materials Science* (Clarivate Analytics/Thomson Reuters, 2014-2023 (10 consecutive years)), in *Chemistry* (Clarivate Analytics/Thomson Reuters, 2015-2023 (9 consecutive years)), and in *Environment and Ecology* (Clarivate Analytics, 2022). In 2015, he was listed as one of 19 "*Hottest Researchers of Today*" in the world in the *World's Most Influential Scientific Minds 2015* (Thomson Reuters, 2015). In 2014, he was listed as one of 17 "*Hottest Researchers of Today*" and No. 1 in *Materials and More* in the world in the *World's Most Influential Scientific Minds 2014* (Thomson Reuters, 2014). Moreover, he also received the Croucher Senior Research Fellowship (2025, Croucher Foundation, Hong Kong), BOCHK Science and Technology Innovation Prize (2024, Hong Kong Alliance of Technology and Innovation), IUMRS-Frontier Materials Scientists Award (2023, IUMRS-ICFM), *EcoMat Mid-Career Research Award* (2023, Wiley-VCH), *Outstanding Research Award* (2022, City University of Hong Kong), *President's Award* (2021, City University of Hong Kong), *Young Investigator Award* (Young Giants of Nanoscience 2016, Hong Kong), *Vice-Chancellor's International Scholar Award* (University of Wollongong, Australia, 2016), *ACS Nano Lectureship Award* (2015), *World Cultural Council (WCC) Special Recognition Award* (2013), the *ONASSIS Foundation Lectureship* (Greece, 2013), *Asian Rising Stars* (15$^{th}$ Asian Chemical Congress, 2013), *SMALL Young Innovator Award* (Wiley-VCH, 2012) and *Nanyang Award for Research Excellence* (2011).

Dr. Zhang's research is highly interdisciplinary. His current research interests focus on phase engineering of nanomaterials (PEN) and controlled epitaxial growth of heterostructures, including the synthesis of ultrathin two-dimensional nanomaterials (*e.g.*, metal nanosheets, graphene, metal dichalcogenides, metal-organic frameworks, covalent organic frameworks, *etc.*), novel metallic and semiconducting nanomaterials, novel amorphous nanomaterials, and their hybrid composites for various applications, such as catalysis, clean energy, (opto-)electronic devices, chemical and biosensors, and water remediation.