Prof. Hua Zhang

City University of Hong Kong, Hong Kong, China

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. As a postdoc, he joined Prof. Frans C. De Schryver's group at Katholieke Universiteit Leuven (KULeuven) in Belgium in January 1999, and then Prof. Chad A. Mirkin's group at Northwestern University in July 2001. After he worked at NanoInk Inc. (USA) in August 2003 and Institute of Bioengineering and Nanotechnology in Singapore from November 2005, he joined the School of Materials Science and Engineering in Nanyang Technological University (NTU) as an Assistant Professor in July 2006. 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 filed **100+** patent applications and published **600+** papers including those published in ***Nature*** and ***Science***. As at *Apr. 2026*, the total cited times are over **150,500** with H-index of **192** (*Web of Science*), and over **169,000** with H-index of **202** (*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/Editorial Boards of 40+ journals, including ***Advanced Materials***, ***CHEM***, ***Chemical Reviews***, ***Matter***, etc.

In **2020**, he was elected as a ***Foreign Fellow*** of the European Academy of Sciences (*EurASc*). He was listed in the "*Highly Cited Researchers*" in *Materials Science* (Clarivate Analytics/Thomson Reuters, **2014-2025** (12 consecutive years)), in *Chemistry* (Clarivate Analytics/Thomson Reuters, **2015-2025** (11 consecutive years)), and in *Environment and Ecology* (Clarivate Analytics, **2022**). In **2015**, he was listed in **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 in **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 *Gold Medal*, the 51st International Exhibition of Inventions Geneva (**2026**, Geneva, Switzerland). *Croucher Senior Research Fellowship* (**2025**, Croucher Foundation, Hong Kong), the 2nd Carbon Energy Golden Banyan Award (**2025**, Carbon Energy, Wiley-VCH and Wenzhou University), *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), *Vice-Chancellor's International Scholar Award* (**2016**, University of Wollongong, Australia), *ACS Nano Lectureship Award* (**2015**, American Chemical Society), *World Cultural Council (WCC) Special Recognition Award* (**2013**, World Cultural Council), *SMALL Young Innovator Award* (**2012**, Wiley-VCH), *etc*.

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.