Prof. Heechae Choi

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Heechae Choi is a full Professor at Department of Chemistry and Materials Science, Xi'an Jiaotong-Liverpool University (XJTLU) since January 2023. Before joining XJTLU, he had his first independent academic career as a Principal Investigator at Institute of Inorganic and Materials Chemistry, University of Cologne, Germany. He received his Bachelor and Doctoral degrees both from Hanyang University in 2006 and 2012, respectively. Before he started academic career as faculty, he worked in Korea Institute of Science Technology (KIST) as a Postdoc for 4 years (2012-2016). Prof. Choi's most important academic achievements are (1) theory model development for semiconductor etching process, (2) statistical mechanics-based nanoparticle shape control for electronic devices, (3) invention of amorphous-crystal junctioned photocatalysts as the first time.