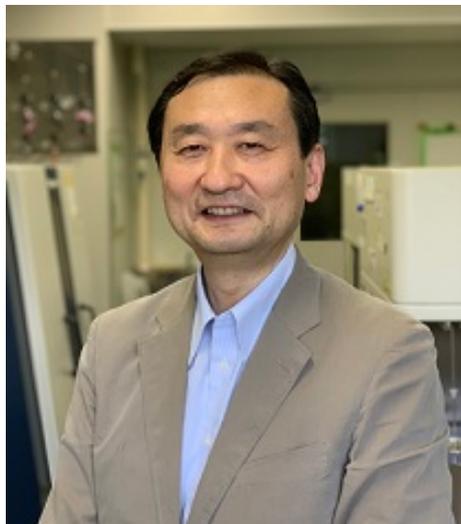




## AIST-Kyoto University ChEM-OIL director Qiang Xu receives Humboldt Research Award



(May 25th, 2020) – Qiang Xu, a chemist and the director of AIST-Kyoto University ChEM-OIL, has been awarded the distinguished Humboldt Research Award. The award recognizes a researcher's entire achievements to date and is granted to academics whose fundamental discoveries, new theories and insights have had a significant impact on their own discipline, and who are expected to continue producing cutting-edge achievements in the future.

Xu received his Ph.D. in Physical Chemistry in 1994 from Osaka University. He joined AIST in 1995 and initiated the collaboration between AIST and Kyoto University on chemical energy materials as the founding director of ChEM-OIL in 2017.

Till now, Xu has won a series of recognitions for his research. He received the Thomson Reuters Research Front Award in 2012 and was recognized as a highly cited researcher (2014–2019) in Chemistry and Engineering/Materials Science by Thomson Reuters/Clarivate Analytics. He is on a number of editorial/advisory boards of journals, including EnergyChem (Elsevier, Editor-in-Chief), Coordination Chemistry Reviews (Elsevier, Associate Editor), Chem (Cell Press), Matter (Cell Press), and Chemistry-An Asian Journal (Wiley). He is a fellow of the Engineering Academy of Japan (EAJ), European Academy of Sciences (EURASC), and National Academy of Sciences, India (NASI).

As a Humboldt recipient, Xu will visit several institutions in Germany to initiate long-term collaborations with scientists in the nation, particularly Prof Stefan Kaskel at Technische Universitat Dresden, who nominated Xu for the Humboldt Award and will serve as his Humboldt host professor.

Xu's work on the chemistry of nanostructured materials and their applications, especially for catalysis and energy, has resulted in nearly 400 peer-reviewed articles and books with more than 33,000 citations. His work has been published in Science, Nature Chemistry, Nature Catalysis, Nature Reviews Materials, Chemical Reviews, Chem, Journal of the American Chemical Society, Angewandte Chemie, Advanced Materials, and other top journals. Xu's current research goal is to develop and to commercialize nanostructured materials, including materials based on metal-organic frameworks (MOFs) and carbons, with high performance for hydrogen evolution catalysis and for electrical energy storage applications, both important for the "Energiewende".