

第496回触媒科学研究所コロキウム

Biomass to fuel and chemicals by aqueous catalysis

Prof. Chenguang Wang

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創成科学研究棟 4階 セミナー室B・C

<http://www.cat.hokudai.ac.jp/access.html>

His research focuses on the catalytic conversion of biomass into fuels, fine chemicals, and materials. Under his leadership, his laboratory has constructed the world's first aqueous reforming demonstration system with an annual capacity of 1,000 tons for producing aviation fuel and chemicals. They have also developed a 100-ton per year Fischer-Tropsch system to convert biomass-derived syngas into sustainable aviation fuel (SAF) and bulk chemicals. Additionally, his team has pioneered lignin oxidation conversion technology to generate high-value chemicals and cycloalkanes.

Professor Chenguang Wang graduated from Dalian University of Technology in 2004 and earned his PhD from the Chinese Academy of Sciences in 2009. Following four years of postdoctoral research at the University of Minnesota and the Colorado School of Mines, he established a laboratory at the Guangzhou Institute of Energy Conversion (GIEC), Chinese Academy of Sciences. He currently serves as the director of the Biomass Catalytic Conversion Laboratory at GIEC, CAS.

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