



## Biography

Dr. Peng Bai obtained his Bachelor degree in Automotive Engineering (2007) and PhD degree in Mechanical Engineering (2012) from Tsinghua University in Beijing, China. He continued his research in the Department of Chemical Engineering at MIT as a postdoctoral associate and research scientist, prior to joining Washington University in St. Louis as a tenure-track Assistant Professor of Energy, Environmental and Chemical Engineering, in 2017. With his expertise in physics-based mathematical modeling and analytical electrochemistry, Dr. Bai has published original research in scientific journals including *Nature Communications*, *Energy & Environmental Science*, *Nano Letters*, *Journal of Materials Chemistry A*, *Electrochimica Acta*, etc. He was the recipient of the *Oronzio and Niccolò De Nora Foundation Young Author Prize* from the International Society of Electrochemistry in 2014, and was selected as a finalist for the *Science Award Electrochemistry* by BASF SE and Volkswagen AG in 2017.