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Title: Toward the Inverse Molecular Design of Green Catalysts

Dequan Xiao

University of New Haven, USA

Biography

Dequan Xiao received a PhD degree in Chemistry from Duke University. From 2009 to 2013, he worked as a Postdoctoral Associate at Yale University. Since 2013, he is working as an Assistant Professor at the University of New Haven. His research interests focus on developing theoretical and computational chemistry methods to study materials properties and to perform inverse molecular design, for the applications in renewable energy science, soft matters, biophysics, and green chemistry. He has published 25 peer-reviewed articles, obtained 4 patents, and has written two review articles on "Inverse molecular design" and "Green catalysts for biomass conversion".

dequan.xiao@yale.edu