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Bio-based and Biodegradable Superabsorbent Polymers Based on Citric Acid and Polyols

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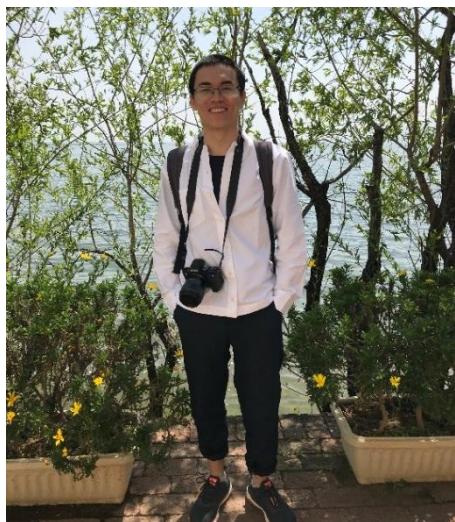
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Curriculum Vitae



Jingying Chen (陈敬樱) was born on 4th of July 1994 in Hubei, China. After finishing his high school at Macheng No.1 Middle School in Huanggang, he began his studies in material science at Donghua University in 2012. In his bachelor graduation project, he investigated the influence of polyether sulfone fiber on the toughness of carbon fiber composites under the supervision of Prof. Muhuo Yu (余木火). In 2016, he started master's program polymer chemistry at Donghua University. For his master graduation project, he studied the synthesis and structural-property relations of isosorbide-based semi-aromatic polyesters in the group of Prof. Huaping Wang (王华平) under the supervision of Prof. Jing Wu (乌婧). After completing his master program in Shanghai, China in 2019, he moved to Groningen, the Netherlands to start PhD research on bio-based, biodegradable superabsorbent polymer from citric acid and polyols in the product technology group at the University of Groningen (RuG) under the supervision of Prof. Cor Koning, Prof. Patrizio Raffa and Prof. Francesco Picchioni. The most important results are presented in this thesis.