

Prof. Yu WANG

Email: yu.wang3@scu.edu.cn

Group website: https://www.x-mol.com/groups/Wang_Yu?lang=en

ORCID: <http://orcid.org/0000-0003-1155-9144>

Publications: 100 journal papers and 15 patents

Dr. Yu Wang is a professor and assistant dean at the College of Polymer Science and Engineering, Sichuan University, China. He is a distinguished recipient of China's National "Young Talents" Award and the R&D 100 Award of 2020. His research group, named as Micro-Adhesion Guided Innovation and Creation (MAGIC-X), focuses on micro-adhesion guided technologies for driving the innovations of materials processing, functional materials and devices, such as polymer electrolytes and polymer nanocomposites, energy materials and batteries. His team has developed several key concepts and technologies, including nano-vapor deposition, biomimetic polymer electrolytes, fiber-microfluidic phase separation, polymer sol-binders, and active-material microenvironment. These concepts and technologies have found significant applications in nanofabrication, functional polymeric materials and advanced batteries. As the leading corresponding author, he has published over 50 papers in top journals such as Advanced Materials, Advanced Energy Materials, ACS Nano, and Advanced Functional Materials, along with 15 patent applications (7 granted). Additionally, he serves as a Youth Committee Member of the Chinese Society of Rheology and an Editorial Board Member for the Journal of Energy Chemistry, a leading international journal in energy chemistry.