



Department: School of Materials Science & Engineering

Professional field: Materials Science

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## Profile

Jikui Wang, professor and doctoral supervisor. Professor of Materials Science and Engineering. East China University of Science and Technology. Deputy Secretary General of Shanghai Modified Plastics Union, Engaged in research and development of polymer material modification and processing and functional polymer materials, etc.

## Research Field

Mainly engaged in research and development of polymer material modification and processing and functional polymer materials. It involves research on formulation of various polymer materials, functional polymer materials, nano-modified polymer materials, biomass materials, polymer modification and processing, etc.

## Research results and selected published papers

- 1 Jie Ying, Wenqi Wang, Xing Peng, Zhoutong Qiu, Xiangyan Ma, Sai Zhang, Jikui Wang\*. Preparation of Monomer Casting Nylon-6-b-Polydimethylsiloxane Copolymers with Enhanced Mechanical and Surface Properties. Polymer-Plastics Technology and Engineering, 2017,12
- 2 Cai,Wanping; Ma,Xiangyan; Guo,Jiahong; Peng,Xing; Zhang,Sai; Qiu,Zhoutong; Ying,Jie; Wang,Jikui\*. Preparation and performance of a transparent poly(3,4-ethylene dioxythiophene)-poly(p-styrene sulfonate-co-acrylic acid sodium) film with a high stability and water resistance. Journal of Applied Polymer Science, 2017,8
- 3 Guo, Jiahong; Wang,Jikui\*; Zhang, Sai; Ma, Xiangyan; Qiu, Zhoutong; Peng, Xing; Ying, Jie; Wang, Yuming; Wu, Genhua. One-step modification of PU sponges for selective absorption of oil-water mixtures. NEW JOURNAL OF CHEMISTRY, 2017,1
- 4 Pengxiang Si, Jikui Wang\*, Cong Zhao, Heng Xu, Kun Yang, Wenqi Wang. Preparation and morphology control of three-dimensional interconnected microporous PDMS for oil sorption. Polymers for Advanced Technologies, Volume 26, Issue 9,2015, 1091-1096
- 5 Pengxiang Si, Jikui Wang\*, Jiahong Guo, Senzhe Li, Wangping Cai, Heng Xu. Mussel-inspired one-step modification of a porous structured surface with self-cleaning properties for oil sorption. 2015, (39): 6823-6829
- 6 Yanan Nie, Xiaocai Tian, Yanchang Liu, Kai Wu, Jikui Wang\*.Research on starch-g-polyvinyl acetate and epoxy resin-modified corn starch adhesive. Polymer Composites, Volume 34, Issue 1, January 2013, Pages: 77-87(SCI/EI)
- 7 Jikui Wang, Guofeng Cai, Xudong Zhu, Xiaping Zhou. Oxidative Chemical Polymerization of 3,4-Ethylenedioxythiophene and Its Applications in Antistatic Coatings. Journal of Applied Polymer Science, Vol. 124, 109-115 (2012) (SCI/EI)
- 8 Guofeng Cai, Jikui Wang\*, Yanan Nie, Xiaocai Tian, Xudong Zhu, Xiaping Zhou. Effects of Toughening Agents on the Behaviors of Bamboo Plastic Composites. Polymer Composites, Volume 32, Issue 12, December 2011, Pages: 1945-1952(SCI/EI)
- 9 Yishu Fu, Jikui Wang\*, Guang Zhao, Yaoxian Wang, Shujun Chen. Preparation and Properties of Poly(ether-ester-amide)/Poly(acrylonitrile-co-butadiene-co- styrene) Antistatic Blends. Journal of Applied Polymer Science, Vol. 122, 12-18 (2011) (SCI/EI)