

1. Introduction: Xiong xiaoqing, female, master tutor. Born in October 1986, graduated from the Southwest University for Nationalities in July 2009, received a Bachelor degree in Environmental Science, graduated from Dalian University of Technology in December 2014 and received Ph.D. degree in Applied Chemistry, currently joining in the innovation team of textile cleaning production taken charge by professor Zheng Laijiu in Dalian Polytechnic University.

2. The main academic researching direction: the preparation of new fluorescent functional dyes suitable for supercritical carbon dioxide dyeing and their applications in medical textiles. From 2017, be responsible for one National Natural Science Fund; one doctoral foundation project of Dalian Polytechnic University; one opening project of Dalian University of Technology Key Laboratory of fine chemicals. From 2016, be responsible for scientific research general project from Liaoning provincial educational bureau; one doctoral scientific research foundation of Liaoning province. And the total sum of money can reach three hundred and fifty thousand yuan.

3. Current major courses: Polymer chemistry and physics; Foundation for textiles declaration

4. Undertake research projects: take charge of 5 research projects

(1) Take charge of National Natural Science Youth Foundation Project: the construction and imaging research of new long fluorescent lifetime organic fluorescent dyes and nanomaterials based on energy transfer. The sum of money is 200 thousand yuan, ranking 1, 2017. 1-2019. 12.

(2) Take charge of the project of Doctoral Fund of the Liaoning provincial science and Technology Department: the application of the functional dispersive fluorescent dyes, the sum of money 60 thousand yuan, ranking 1, 2015. 8-2018. 9.

(3) Take charge of the general project of Liaoning Provincial Education Department: study on development of functional fluorescent dyes based on supercritical CO₂ dyeing, the sum of money is 30 thousand yuan, ranking 1, 2015. 6-2018. 7.

(4) Take charge of the opening project of Dalian University of Technology Key Laboratory of fine chemicals: the construction and imaging research of energy transfer type long fluorescence lifetime organic fluorescent dye, the sum of money is 50 thousand yuan, ranking 1, 2016. 12-2019. 3.

(5) Take charge of the doctoral foundation project of Dalian Polytechnic University: the research of functional fluorescent fiber materials based on supercritical CO₂ dyeing, the sum of money is 30 thousand yuan, ranking 1, 2016. 5-2018. 5.

5. Published SCI papers: published more than 10 papers in *J. Am. Chem. Soc.*, *Chem. Eur. J.*, *Asian J. Org. Chem.*, *RSC Adv.*, *J. Fluoresc* and other important English journals, authorized 2 patents and applied 2 patents.

Representative papers:

(1) **Xiaoqing Xiong**, Fengling Song*, Jingyun Wang, Yukang Zhang, Yingying Xue, Liangliang Sun, Xiaojun Peng. Thermally Activated Delayed Fluorescence of Fluorescein Derivative for Time-Resolved and Confocal Fluorescence Imaging. *J. Am. Chem. Soc.* 2014, 136: 9590–9597.

(2) **Xiaoqing Xiong**, Fengling Song*, Gengwen Chen, Wen Sun, Jingyun Wang, Xiaojun Peng*, Constructing of Long Wavelength Fluorescein Analogues and Their Applications as Fluorescent Probes. *Chem. Eur. J.* 2013, 19: 6538–6545.

(3) **Xiaoqing Xiong**, Laijiu Zheng,* Jun Yan, Fang Ye, Yongfang Qian and Fengling Song*, A Turn-on and Colorimetric Metal-free Long Lifetime Fluorescent Probe and Its Application for Time-Resolved Luminescent Detection and Bioimaging of Cysteine. *RSC Adv.* 2015, 5, 53660–53664.

(4) **Xiaoqing Xiong**, Fengling Song*, Shiguo Sun, Jiangli Fan, Xiaojun Peng*, Red Emissive Fluorescein Derivatives and Their Selective Analysis for Bovine Serum Albumin. *Asian J. Org. Chem.* 2013, 2: 145–149.

(5) **Xiaoqing Xiong**, Yanyan Xu, Laijiu Zheng,* Jun Yan, Hongjuan Zhao, Juan Zhang, Yanfeng Sun. Polyester Fabric's Fluorescent Dyeing in Supercritical Carbon Dioxide and Its Fluorescence Imaging. *J. Fluoresc.* 2017, 27: 483-489.

6. Contact information:

Telephone number: 0411-86332096, 15326178236

E-mail: xxq890108@163.com