

Supporting Information

Efficient Adsorption-assisted Photocatalysis Degradation of Congo red through loading ZIF-8 on KI-doped TiO₂

Zhechen Liu^{1,†}; Wanqi Zhang^{1,†}; Xilong Zhao^{1,†}; Xianliang Sheng²; Zichu Hu²; Qiang Wang²; Zhangjing Chen³; Sunguo Wang⁴; Xiaotao Zhang^{2,5,*}; Ximing Wang^{1,5,*}

¹ College of Material Science and Art Design, Inner Mongolia Agricultural University, Hohhot, 010018, China.

² College of Science, Inner Mongolia Agricultural University, Hohhot, 010018, China.

³ Department of Sustainable Biomaterials, Virginia Polytechnic Institute and State University, Blacksburg, VA, 24060, USA.

⁴ Sungro Bioresource & Bioenergy Technologies Corp, Alberta, T6R3J6, Canada.

⁵ Inner Mongolia Key Laboratory of Sandy Shrubs Fibrosis and Energy Development and Utilization, Hohhot, 010018, China.

* Correspondence should be addressed to Xiaotao Zhang and Ximing Wang.

E-mail: lianzixiaotao@163.com; wangximing@imau.edu.cn.

† Contributed equally to this paper.

1. Wavelength scanning curve of Congo red

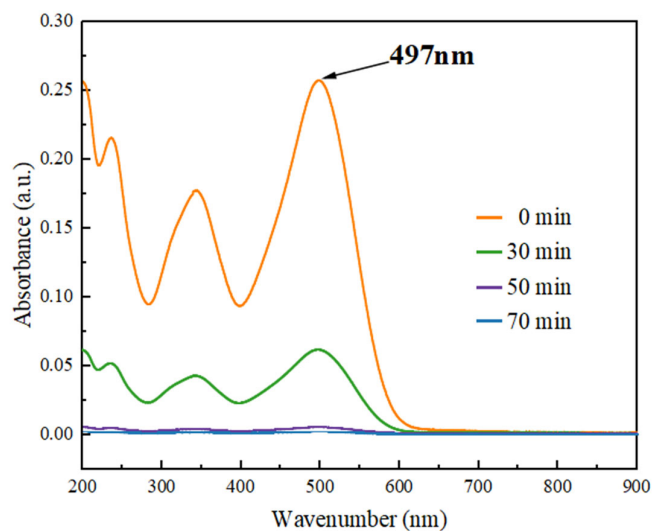


Figure. S1. Wavelength scanning curve of Congo red.

2. Recycling efficiency of ZIF-8@TiO₂ (5%KI)

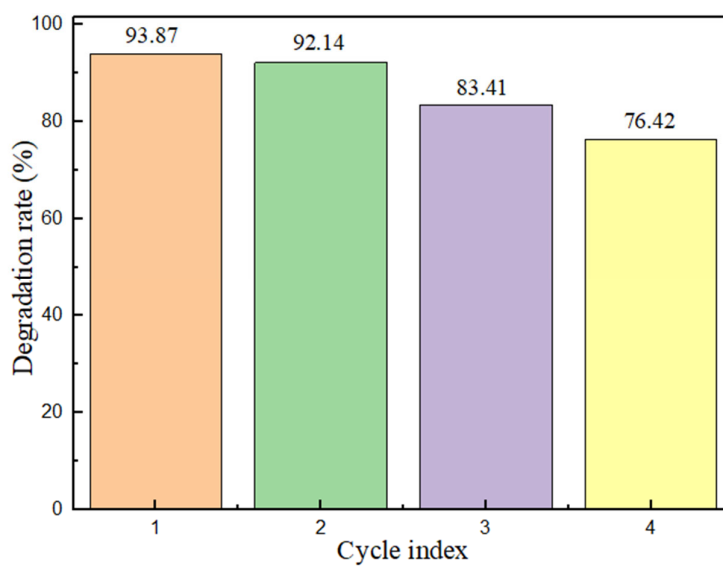


Figure. S2. Recycling efficiency of ZIF-8@TiO₂ (5%KI).