

Supporting information

Preparation of Palladium Nanoparticles Decorated Polyethyleneimine/Polycaprolactone Composite Fibers Constructed by Electrospinning with Highly Efficient and Recyclable Catalytic Performances

**Cuiru Wang^{1,2}, Juanjuan Yin², Shiqi Han², Tifeng Jiao^{1,2,*}, Zhenhua Bai³,
Jingxin Zhou², Lexin Zhang² and Qiuming Peng^{1,*}**

¹ State Key Laboratory of Metastable Materials Science and Technology,
Yanshan University, Qinhuangdao 066004, China; wcr2016ysdx@163.com
(C.W.)

² Hebei Key Laboratory of Applied Chemistry, School of Environmental and
Chemical Engineering, Yanshan University, Qinhuangdao 066004, China;
jjy1729@163.com (J.Y.); auslineus@163.com (S.H.); zhoujingxin@ysu.edu.cn
(J.Z.); zhanglexin@ysu.edu.cn (L.Z.)

³ National Engineering Research Center for Equipment and Technology of
Cold Strip Rolling, Yanshan University, Qinhuangdao 066004, P. R. China;
bai_zhenhua@aliyun.com (Z.B.)

* Correspondence: tfjiao@ysu.edu.cn (T.J.); pengqiuming@ysu.edu.cn (Q.P.);
Tel.: +86-335-8056854 (T.J.)

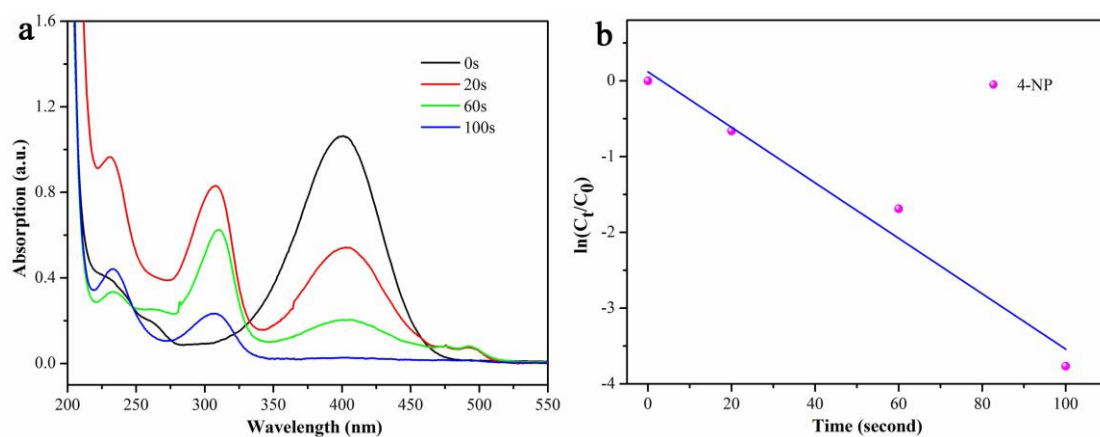


Figure S1. UV-vis absorption curves of catalytic reduction of 4-NP with (PEI:PCL, w/w, 10:90) PEI/PCL@PdNPs composite (a) and linear relationship of the reduction process (b).

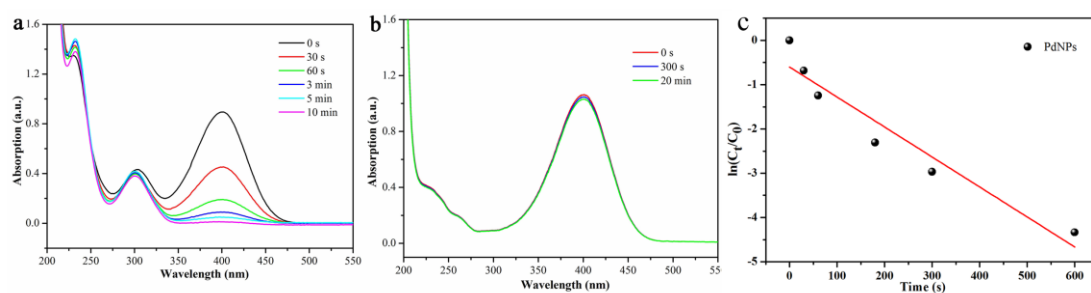


Figure S2. UV-vis absorption curves of catalytic reduction of 4-NP via PdNPs solution (a), PEI/PCL fibers (b), and linear relationship of the reduction process (c).