



## Supplementary Materials: Palladium/Carbon Nanofibers by Combining Atomic Layer Deposition and Electrospinning for Organic Pollutant Degradation

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## **Scherrer Equation**

The Scherrer equation (Equation S1) can be written as:

$$\tau = \frac{\kappa \lambda}{\beta \cos \theta} \tag{S1}$$

## where:

 $\tau$  is the nano-mean crystallite size;

K is a dimensionless shape factor, with a value close to unity (typical value of about 0.9)

 $\lambda$  is the X-ray wavelength;

 $\beta$  is the line broadening at half the maximum intensity (FWHM) in radian;

 $\theta$  is the Bragg angle.

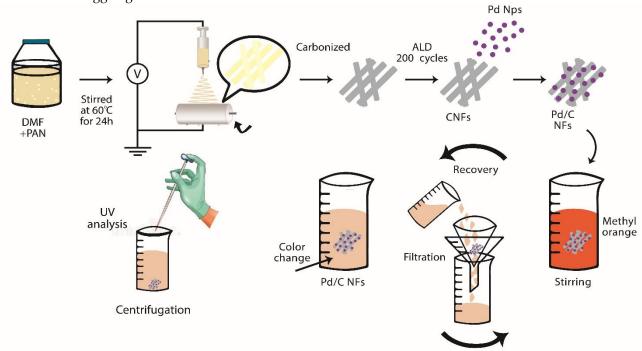


Figure S1. Summary of the whole original mechanism.



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