



Technical Data Sheet

ACS Material TiO₂ Nanowire

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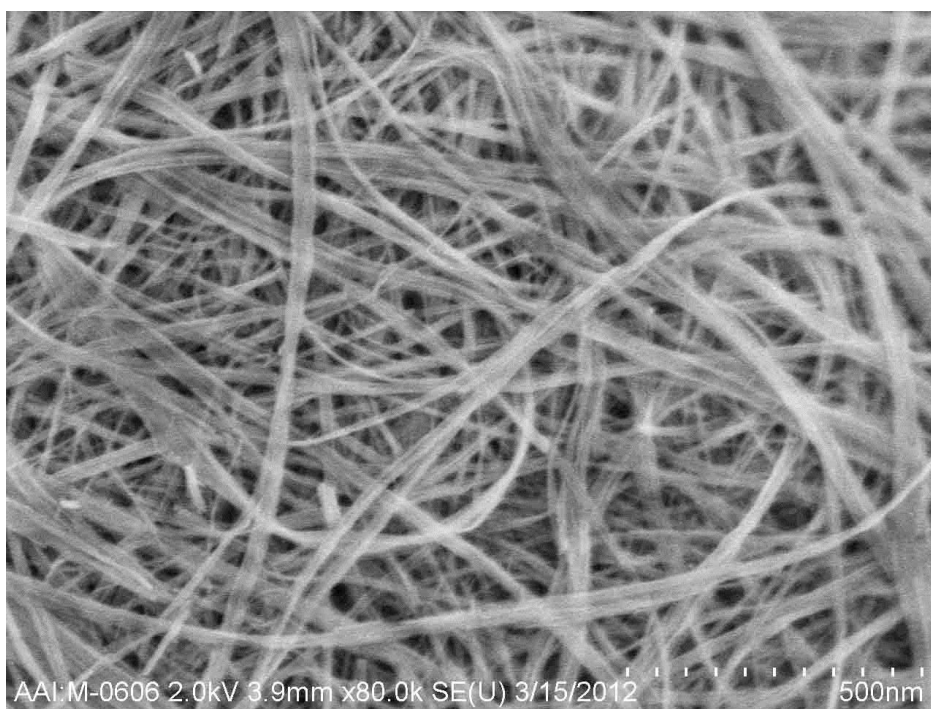
Revision: 042517

1. Preparation Method

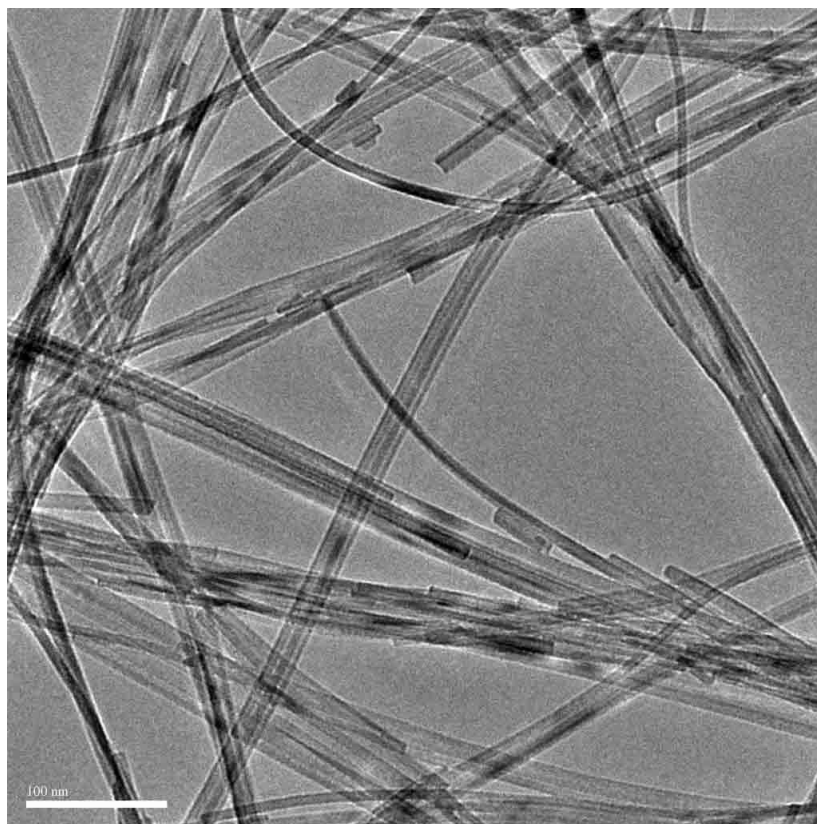
Hydrothermal Method

2. Characterizations

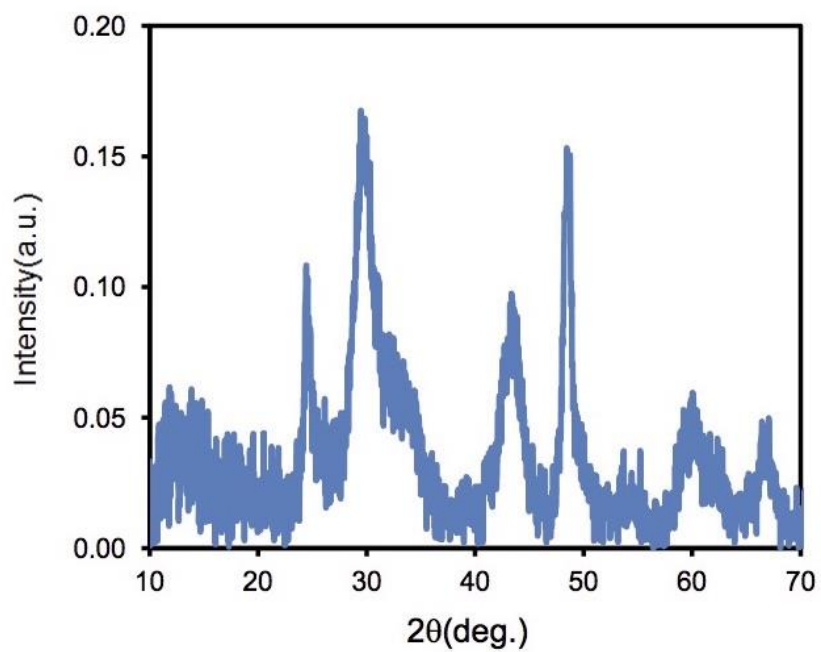
Products:	Diameter (nm)	Length (μm)
TiO ₂ NW-A	~10	>10
TiO ₂ NW-B	~100	10-30



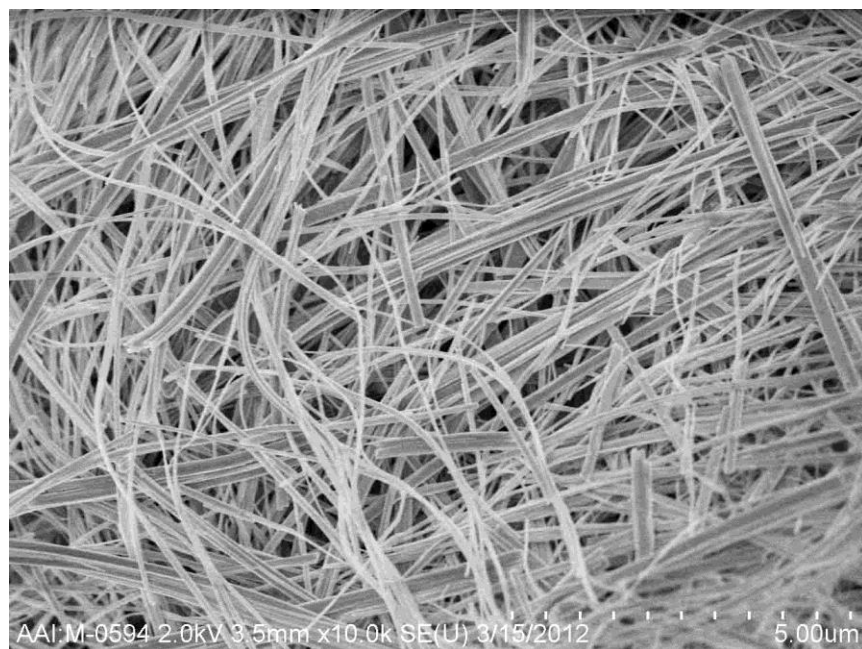
Typical SEM Image of ACS Material TiO₂NW-A



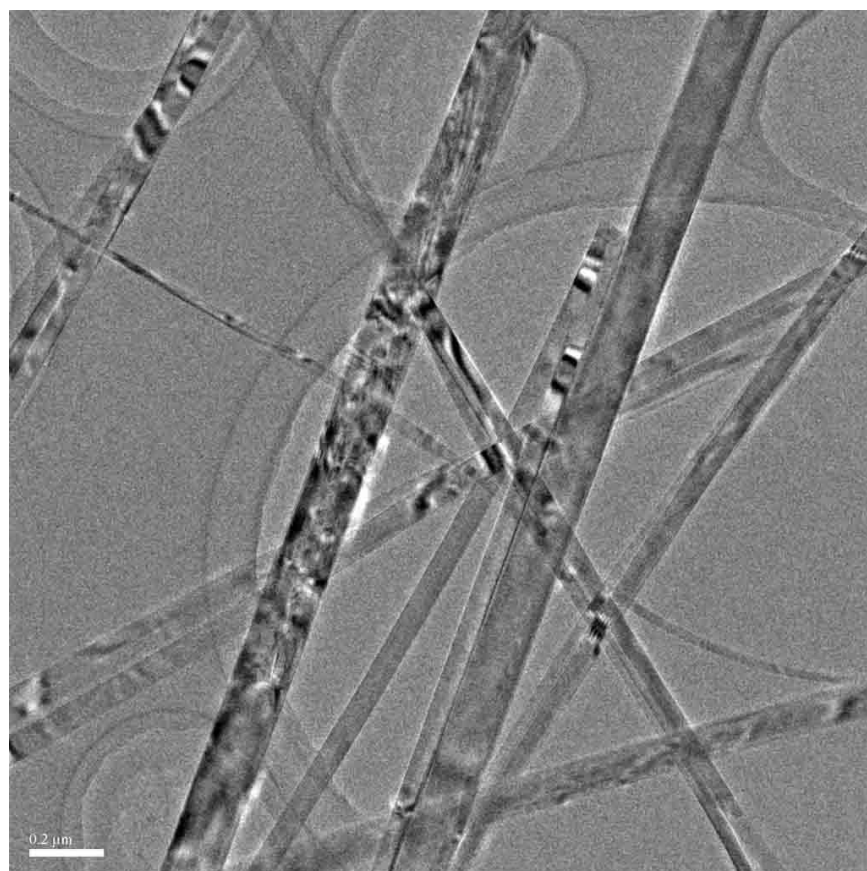
Typical TEM Image of ACS Material TiO₂NW-A



Typical XRD Analysis of ACS Material TiO₂NW-A



Typical SEM Image of ACS Material TiO₂NW-B



Typical SEM Image of ACS Material TiO₂NW-B

3. Application Fields

- 1) Supercapacitor
- 2) High-performance photocatalyst
- 3) Dye-sensitized solar cells
- 4) Antibacterial materials
- 5) Biosensor

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