



Technical Data Sheet

ACS Material Nitrogen-doped Graphitic Porous Carbon

Table of Contents

1 – Preparation Method

2 – Characterizations

3 – Application Fields

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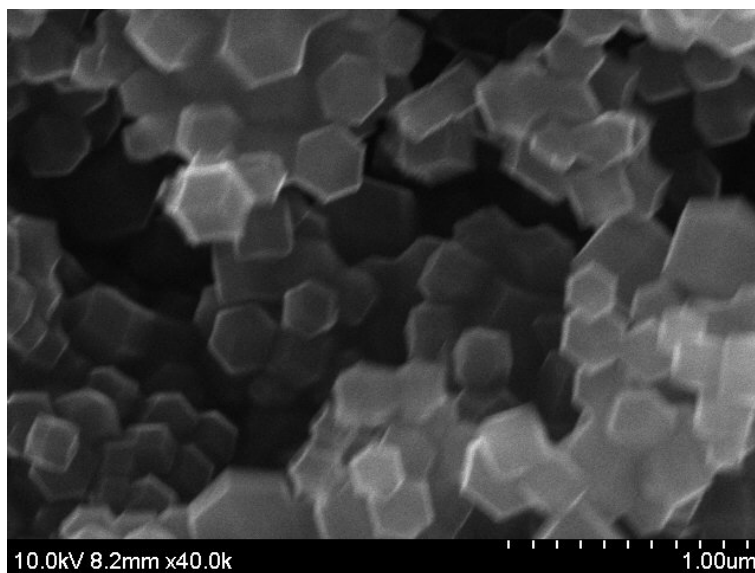
1. Preparation Method

ZIF-8 as the template:

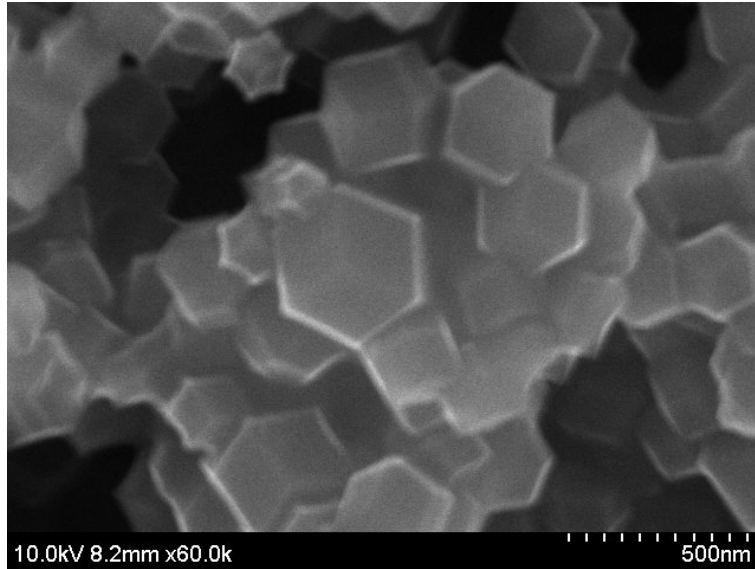
- 1) High temperature calcination
- 2) Acid-washed to remove the zinc component

2. Characterizations

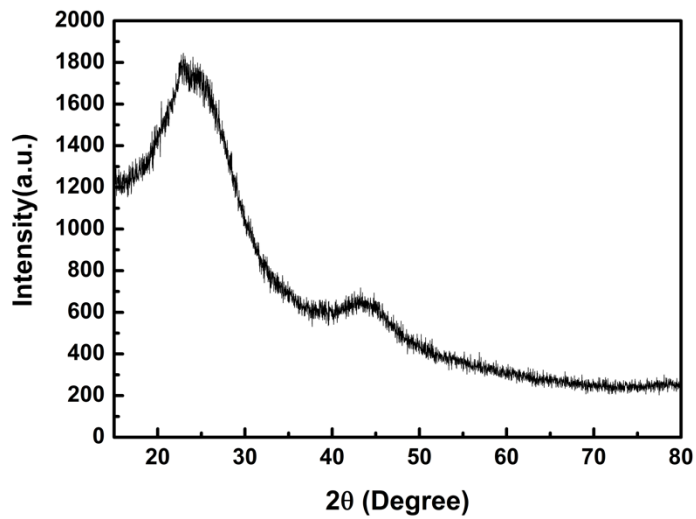
Appearance:	Black powder
Shape:	Hexahedron
Particle Size (nm):	200-300 nm
BET surface area (m²/g):	>1100
Total Pore Volume (cm³/g):	0.74
Pore Size (nm):	0.3
N (wt.%):	11



Typical SEM Image of ACS Material N-doped Graphitic Porous Carbon (1)



Typical SEM Image of ACS Material N-doped Graphitic Porous Carbon (2)



Typical XRD Analysis of ACS Material N-doped Graphitic Porous Carbon

3. Application Fields

- 1) Photocatalytic Hydrogen Evolution
- 2) Pollutant Degradation
- 3) CO₂ reduction
- 4) Energy Storage

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