



Technical Data Sheet

ACS Material Nano porous carbon film (NCS)

1 – Preparation Method

2 – Characterizations

3 – Applications

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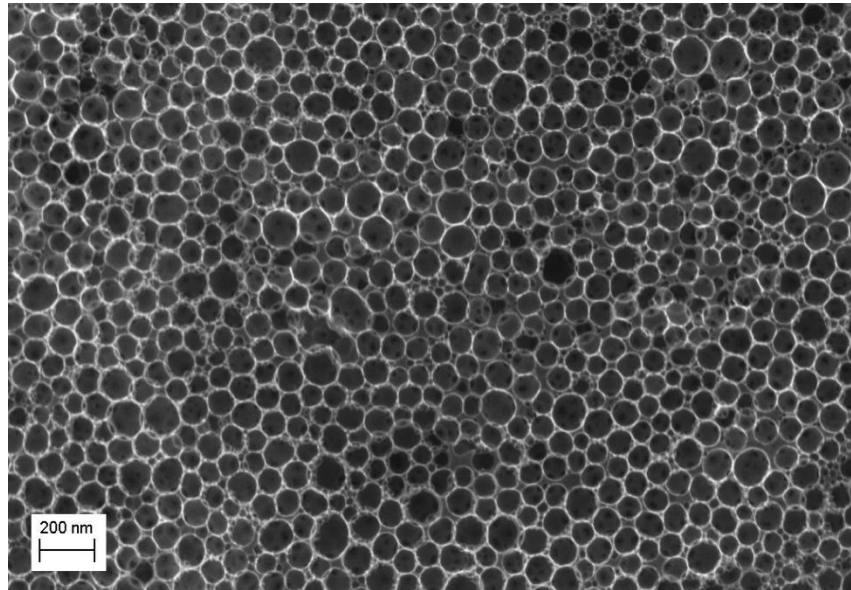
1. Preparation Method

Casting method and template method

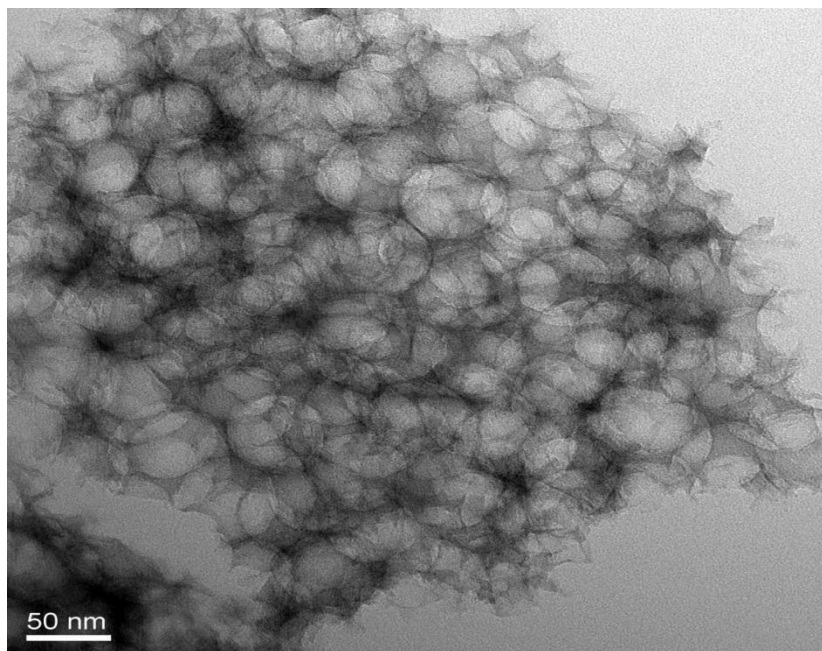
2. Characterizations

SKU	Pore size (nm)	Pore neck width (nm)	S _{BET} (m ² /g)	S _{external} (m ² /g)	S _{micro} (m ² /g)	S _{micro} /S _{BET} (%)	V _{NSI} (mL/g)	V _{micro} (mL/g)	V _{micro} /V _{NSI} (%)
CNCS2101	~115	12	246	202	43	18	1.24	0.021	1.7
CNCS1501	~52	10	268	218	50	19	1.71	0.025	1.4
CNCS1201	~20	7.6	472	405	67	14	2.10	0.031	1.6
CNCS1101	~10	5.7	650	573	66	10	2.10	0.031	1.5

S: Surface area; V: Volume; D: Diameter.



Typical SEM Image of ACS Material Nano porous carbon film (NCS)



Typical TEM of ACS Material Nano porous carbon film (NCS)

3. Applications

Super capacitors, hydrogen fuel cells, etc.

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