Supporting Information for

Hybrid NiO-CuO mesoporous nanowires array with abundant oxygen vacancies and hollow structure for high-performance asymmetric supercapacitor

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<table>
<thead>
<tr>
<th>Materials</th>
<th>Specific capacitance (F g⁻¹)</th>
<th>Areal capacitance (F cm⁻²)</th>
<th>Current density or scan rate</th>
<th>Electrolyte</th>
<th>Reference</th>
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<tbody>
<tr>
<td>NiO</td>
<td>302</td>
<td>-</td>
<td>1 A g⁻¹</td>
<td>6 M KOH</td>
<td>S1</td>
</tr>
<tr>
<td>CuO</td>
<td>431</td>
<td>1.51</td>
<td>3.5 mA cm⁻²</td>
<td>3 M KOH</td>
<td>S2</td>
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<tr>
<td>Cu2O/CuO/Co₃O₄</td>
<td>318</td>
<td>-</td>
<td>0.5 A g⁻¹</td>
<td>3 M KOH</td>
<td>S3</td>
</tr>
<tr>
<td>NiO/NiMn-LDH</td>
<td>937</td>
<td>-</td>
<td>0.5 A g⁻¹</td>
<td>3 M KOH</td>
<td>S4</td>
</tr>
<tr>
<td>CuCo₂O₄/CuO</td>
<td>781</td>
<td>-</td>
<td>2 mV s⁻¹</td>
<td>1 M KOH</td>
<td>S5</td>
</tr>
<tr>
<td>Ni₀.₉₉Cu₀.₀₁O</td>
<td>559</td>
<td>-</td>
<td>0.3 A g⁻¹</td>
<td>6 M KOH</td>
<td>S6</td>
</tr>
<tr>
<td>Ni/NiO</td>
<td>526</td>
<td>-</td>
<td>1 A g⁻¹</td>
<td>3 M KOH</td>
<td>S7</td>
</tr>
<tr>
<td>NiO/α-Ni(OH)₂</td>
<td>707</td>
<td>-</td>
<td>2 A g⁻¹</td>
<td>2 M KOH</td>
<td>S8</td>
</tr>
<tr>
<td>Ni-Co binary hydroxide</td>
<td>1030</td>
<td>-</td>
<td>1 mg cm⁻²</td>
<td>6 M KOH</td>
<td>S9</td>
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<tr>
<td>NiO@MnO₂</td>
<td>266.7</td>
<td>-</td>
<td>0.5 A g⁻¹</td>
<td>2 M KOH</td>
<td>S10</td>
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<tr>
<td>NiO-Co₃O₄</td>
<td>801</td>
<td>-</td>
<td>1 A g⁻¹</td>
<td>3 M KOH</td>
<td>S11</td>
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<tr>
<td>ZnO-NiO</td>
<td>649</td>
<td>-</td>
<td>5.8 A g⁻¹</td>
<td>3 M KOH</td>
<td>S12</td>
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<tr>
<td>Cu/Ni-based manganese dioxide</td>
<td>374</td>
<td>-</td>
<td>0.25 A g⁻¹</td>
<td>1 M Na₂SO₄</td>
<td>S13</td>
</tr>
<tr>
<td>NiCo₂O₄ nanowires</td>
<td>743</td>
<td>-</td>
<td>1 A g⁻¹</td>
<td>1 M KOH</td>
<td>S14</td>
</tr>
<tr>
<td>NiCu(OH)₂CO₃</td>
<td>971</td>
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<td>1 A g⁻¹</td>
<td>6 M KOH</td>
<td>S15</td>
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<tr>
<td>NiO-CuO</td>
<td>1450.8</td>
<td>4.35</td>
<td>2 mA cm⁻²</td>
<td>3 M KOH</td>
<td>Our work</td>
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References


