Supporting Information

A high energy output and low onset temperature nanothermite based on three-dimensional ordered macroporous nano-NiFe2O4

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Part one: Energy-dispersive X-ray spectroscopy (EDX) analysis:

Table S1. Element content distribution of Al/NiFe2O4 membrane after 15 min Al deposition.

<table>
<thead>
<tr>
<th>Element</th>
<th>O</th>
<th>Al</th>
<th>Si</th>
<th>Fe</th>
<th>Ni</th>
<th>Au</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight ratio(%)</td>
<td>37.47</td>
<td>7.71</td>
<td>27.51</td>
<td>4.48</td>
<td>2.07</td>
<td>20.76</td>
</tr>
<tr>
<td>Atomic ratio(%)</td>
<td>56.14</td>
<td>6.85</td>
<td>31.71</td>
<td>1.92</td>
<td>0.85</td>
<td>2.53</td>
</tr>
</tbody>
</table>

atomic ratio, Al: Fe: Ni= 6.85: 1.92: 0.85

Part two: The pattern of DSC curve
Fig. S1. DSC curve of NiFe$_2$O$_4$ membrane