Supporting Information

Enhancing the catalytic activity of Pt NPs using poly sodium styrene sulfonate stabilized graphene support for methanol oxidation

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![Figure S1 Few layer graphene sheets](image-url)
Figure S2 TEM images of Pt-G

Figure S3 EDX profile of Pt-PSS-G
**Table S1** White line (WL) area at the Pt L$_3$-edge for Pt NPs on PSS-G

<table>
<thead>
<tr>
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<th>WL area(eV)</th>
<th>R-factor$^a$</th>
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</thead>
<tbody>
<tr>
<td>Pt foil</td>
<td>5.247(0.097)</td>
<td>0.00012</td>
</tr>
<tr>
<td>Pt-PSS-G</td>
<td>6.831(0.099)</td>
<td>0.00012</td>
</tr>
</tbody>
</table>

$^a$ a measure of absolute misfit between data and theory
The number in parentheses denotes an uncertainty of the calculated parameter.