Three-dimensional flower-like OMS-2 supported Ru catalysts for the application in combustion reaction of o-dichlorobenzene

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### Table S1 Textural properties of Ru/OMS-2 catalysts

<table>
<thead>
<tr>
<th>Samples</th>
<th>$S_{\text{BET}}$ (m² g⁻¹)ᵃ</th>
<th>$V_p$ (cm³ g⁻¹)ᵇ</th>
<th>$D_{\text{BJH}}$ (nm)ᶜ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ru/OMS-2-Cₗₗₕ</td>
<td>10.22</td>
<td>0.043</td>
<td>39.12</td>
</tr>
<tr>
<td>Ru/OMS-2-Cₘᵢᵈ</td>
<td>12.29</td>
<td>0.058</td>
<td>15.47</td>
</tr>
<tr>
<td>Ru/OMS-2-Cₗᵣᵣ₉</td>
<td>16.86</td>
<td>0.089</td>
<td>20.36</td>
</tr>
</tbody>
</table>

ᵃ Determined by BET Surface Area.

ᵇ Adsorbed volume at $P/P_0 = 0.995$.

c Determined by desorption branch.
Fig. S1 N$_2$ adsorption-desorption isotherm and pore size distribution plots (inset) of catalysts.
Fig. S2 Survey spectra of fresh and used Ru/OMS-2-C_{hig} for XPS.