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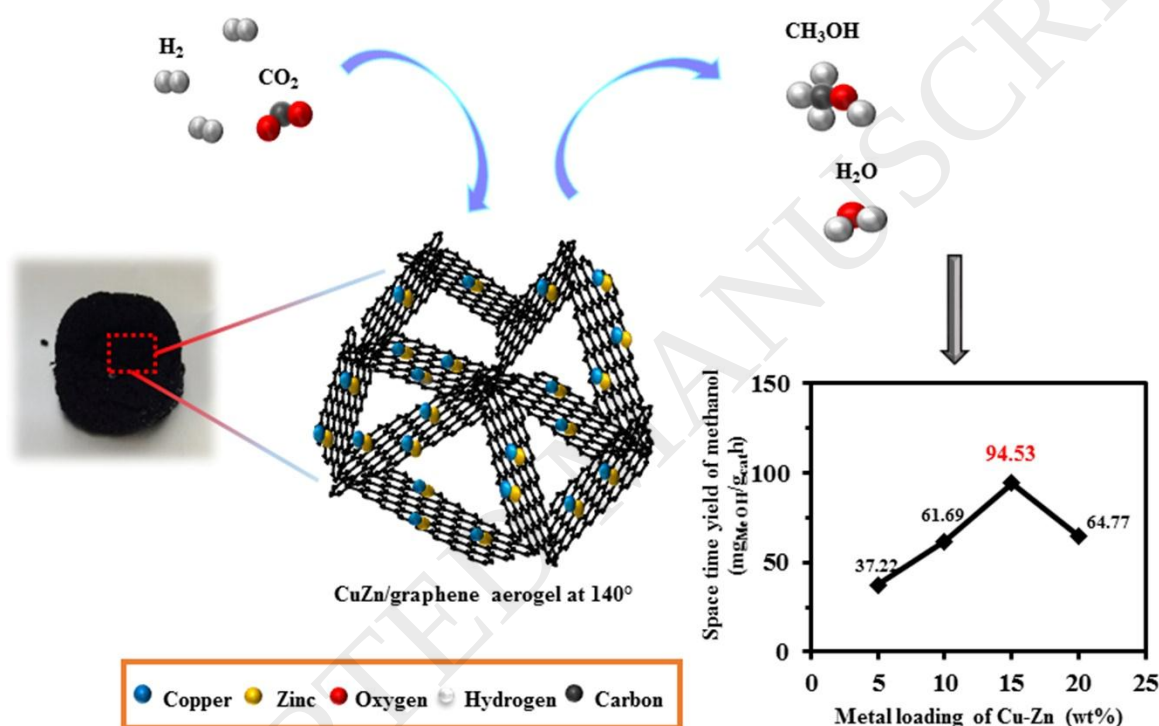
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Characterization of supported Cu-Zn/graphene aerogel catalyst for direct CO₂ hydrogenation to methanol: Effect of hydrothermal temperature on graphene aerogel synthesis

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Graphical Abstract



Abstract

Reduced graphene oxide aerogel (rGOae) was synthesized via hydrothermal reduction and following freeze-drying method. The as-prepared material was then used as a novel support of Cu-Zn/rGOae catalyst for the direct CO₂ hydrogenation to methanol. Moreover, *in situ* X-ray

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