

Carbocatalysis for Freidel–Craft Alkylation Reaction

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Graphene oxide (GO) has been focused as a new material that have rich functional groups to utilize for heterogeneous catalysts. In this view point, “carbocatalysis” is issued as a mild and efficient carbon catalyst for organic synthesis. Here, we demonstrate carbocatalytic Friedel–Craft alkylation using acidic GO without any side reactions. Compared to the conventional solid acids, GO showed excellent catalytic activity than others.