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Electronic Supplementary Information

General acid and base bifunctional graphene oxide for cooperative catalysis

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Fig. S1 Si 2p XPS spectrum of GO–AEP–UDP.



Fig. S2 HRTEM of GO-AEP-UDP



Fig.S3 a) The GC-MS result catalyzed by GO-AEP-UDP, b) the conjecture of the product structure

by GC-MS, c) the comparison with the standard spectra.



Fig. S4 photographs of product catalyzed by various catalysts. Product color is light yellow. The GO–AEP–UDP has the best performance. In the situation of homogeneous mixture comprising UDP and AEP, product color is orange, due to a great deal of byproducts.



Fig.S5 Mechanism of the catalytic reaction.