

Supplementary Information

Synthesis of dendrimer stabilized high-density silver nanoparticles on reduced graphene oxide for the catalytic and antibacterial properties

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Supplementary Information Figures

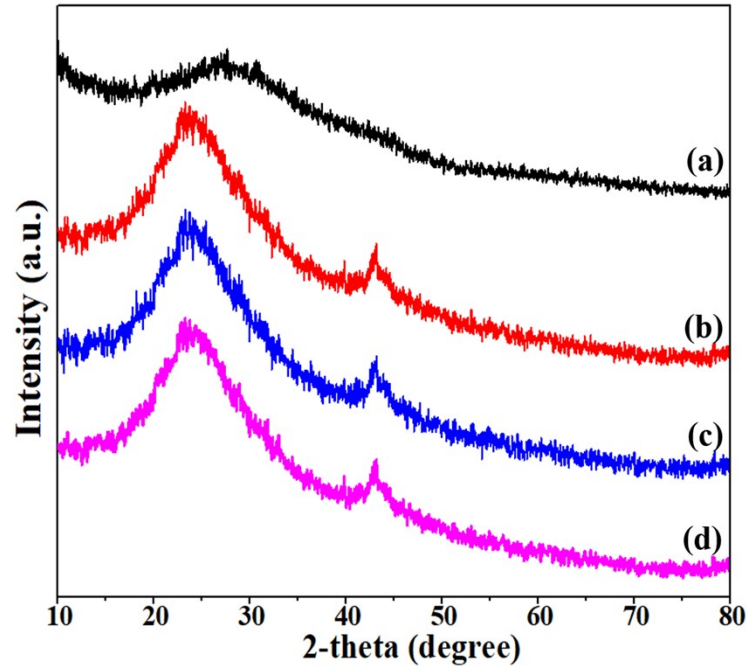


Figure S1. Diffractograms of rGO (a), rGO-PMAAM-G1 (b), rGO-PMAAM-G2 (c), and rGO-PMAAM-G3 (d)

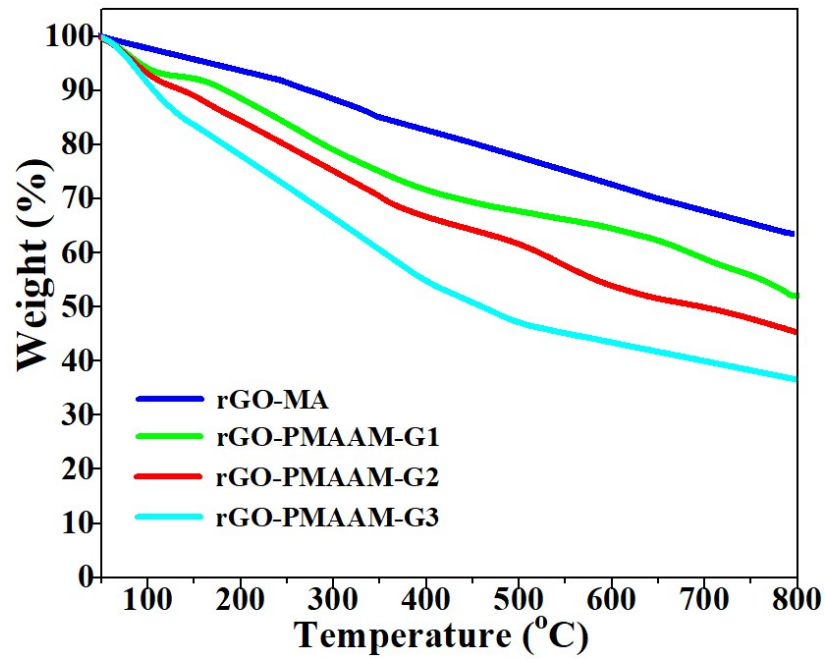


Figure S2. TGA thermal analysis curve of rGO-MA and composites

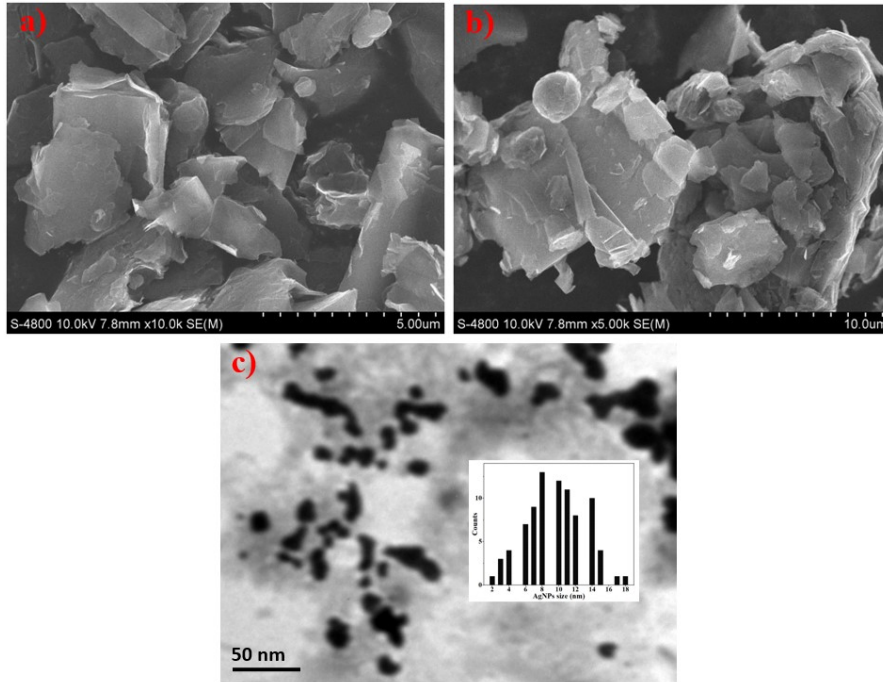


Figure S3. SEM (a, b) and TEM (c) results of AgNPs/rGO-PMAAM-G3

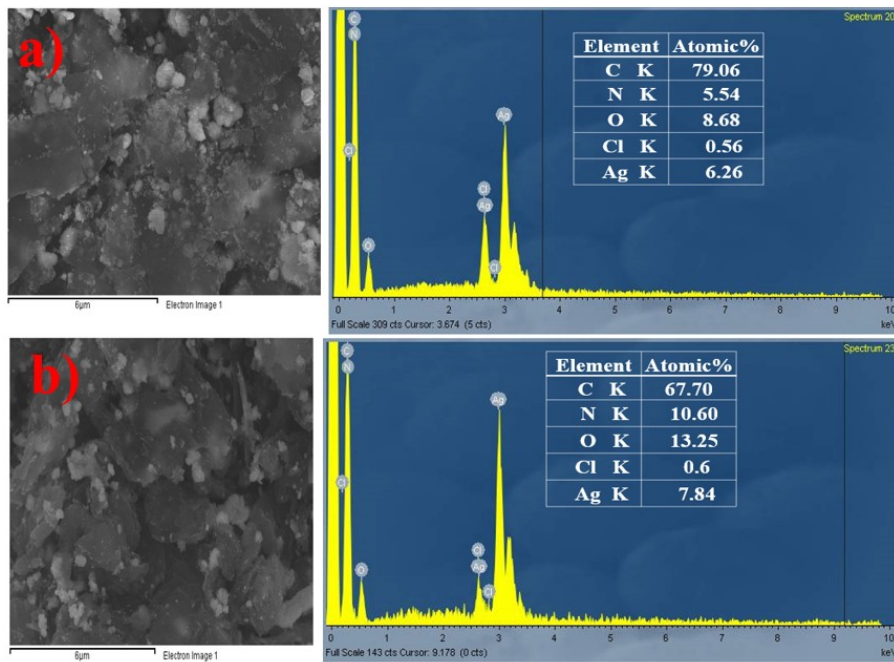


Figure S4. SEM-EDX analysis of AgNPs/rGO-PMAAM-G1 (a), AgNPs/rGO-PMAAM-G3 (b)

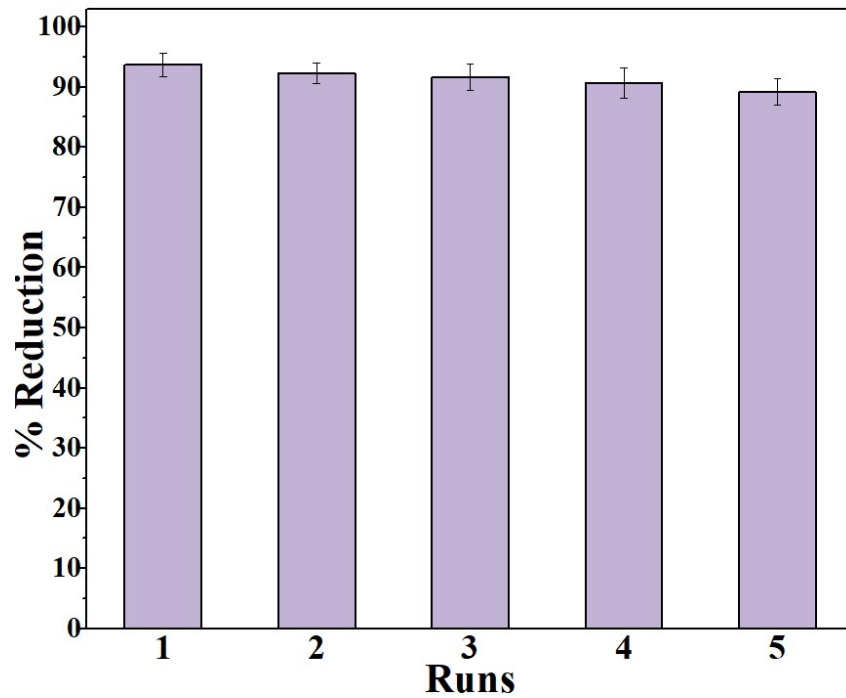


Figure S5. Recyclability of AgNPs/rGO-PMAAM-G3 up to five cycles

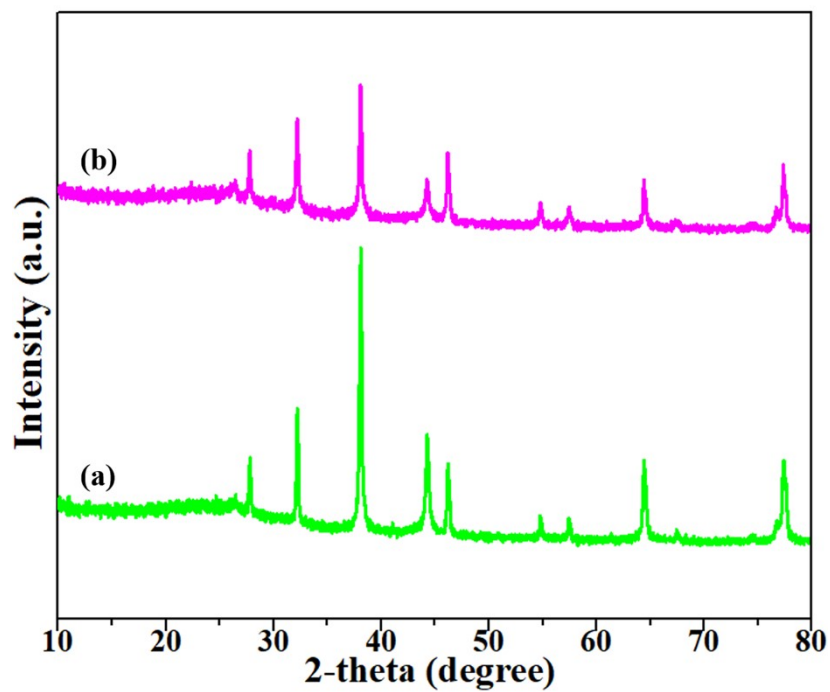


Figure S6. XRD patterns of AgNPs/rGO-PMAAM-G3 fresh (a) and recycled (b) catalyst