

Supplementary Material

MoO₂ Formed on Mesoporous Graphene Oxide: Efficient and Stable Catalyst for Epoxidation of Olefin

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Characterization

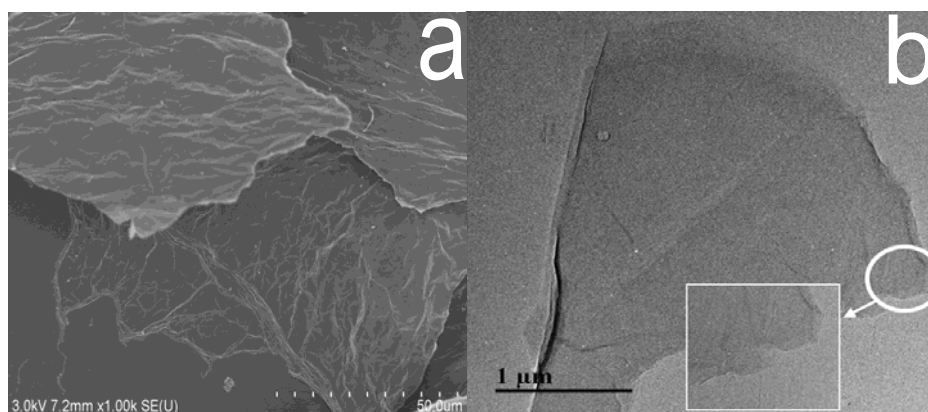


Fig. S1 SEM (a) and TEM (b) images of self-prepared GO.

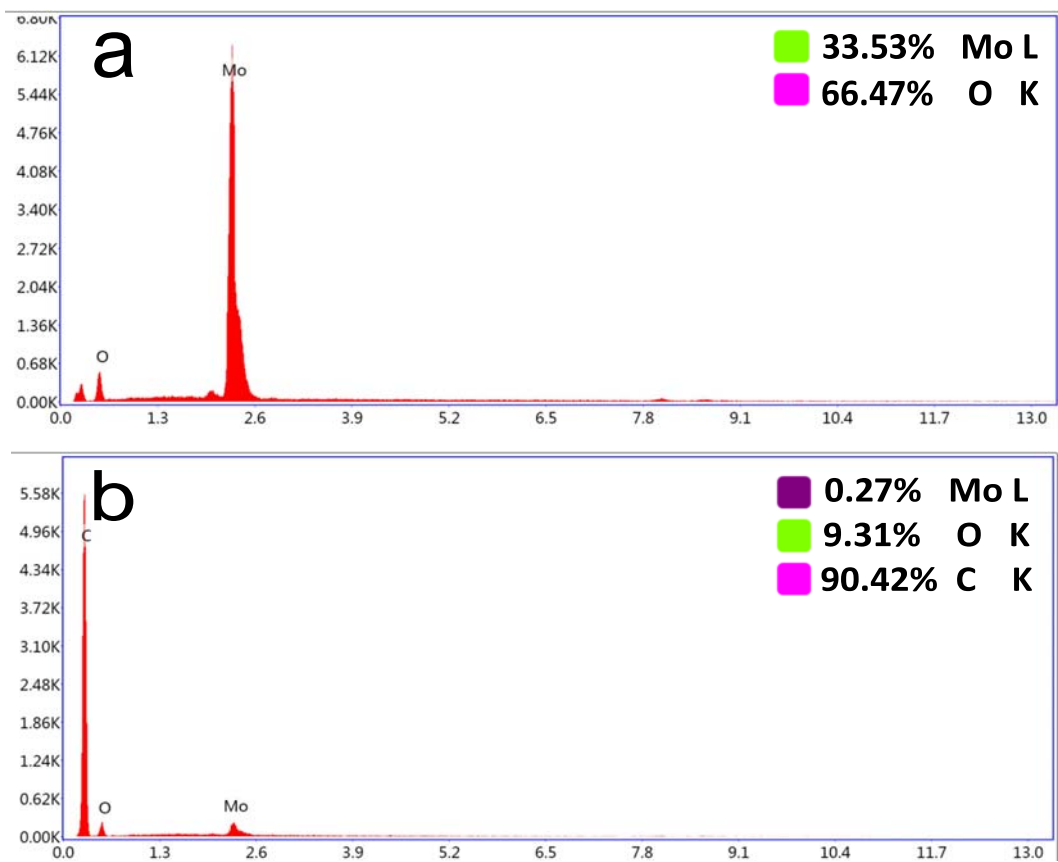


Fig. S2 Elemental analysis (molar content) by SEM-EDS of m-MoO₂ nanoparticles (a) and m-MoO₂/GO composite (b).

Catalyst \ Element	C (%)	O (%)	Mo (%)
m-MoO ₂	0	24.79	75.21
m-MoO ₂ /GO (fresh)	86.35	8.49	5.16
m-MoO ₂ /GO (recycled)	86.64	8.24	5.12

Table S1 ICP analysis (mass fraction) of m-MoO₂ nanoparticles, fresh and recycled m-MoO₂/GO composite.

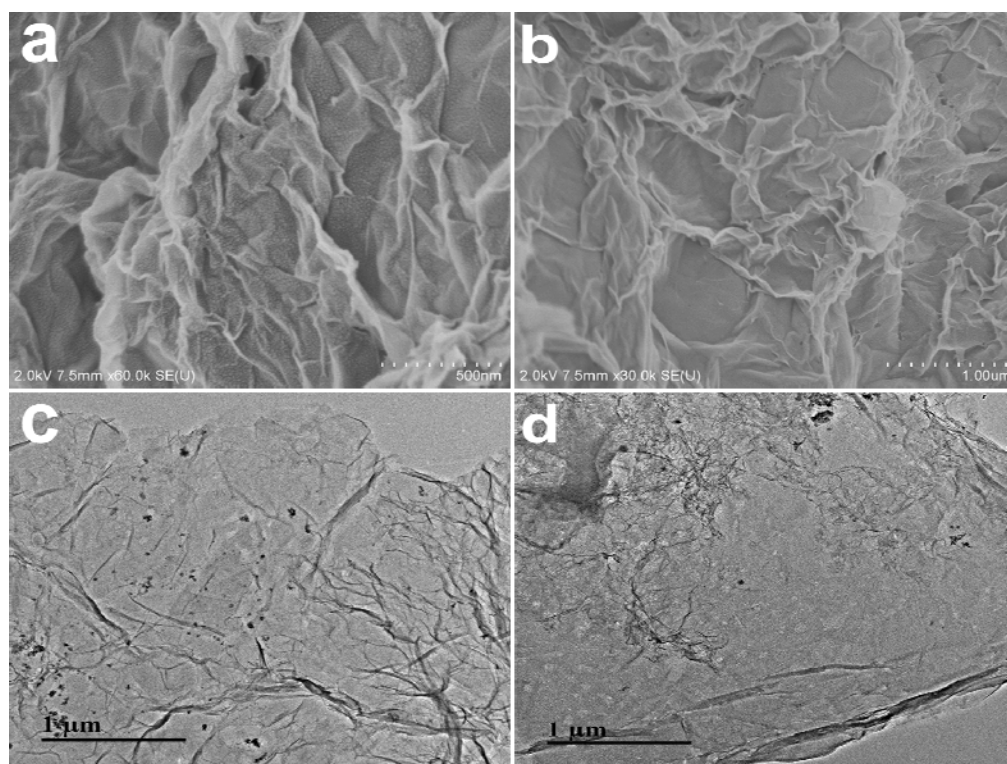


Fig. S3 SEM (a) and TEM (c) images of m-MoO₂/GO composite (fresh); SEM (b) and TEM (d) images of m-MoO₂/GO composite (recycled).