

**Magnetic ZnO crystals nanoparticles growth on reduced graphene oxide for enhanced photocatalytic performance under visible light irradiation**

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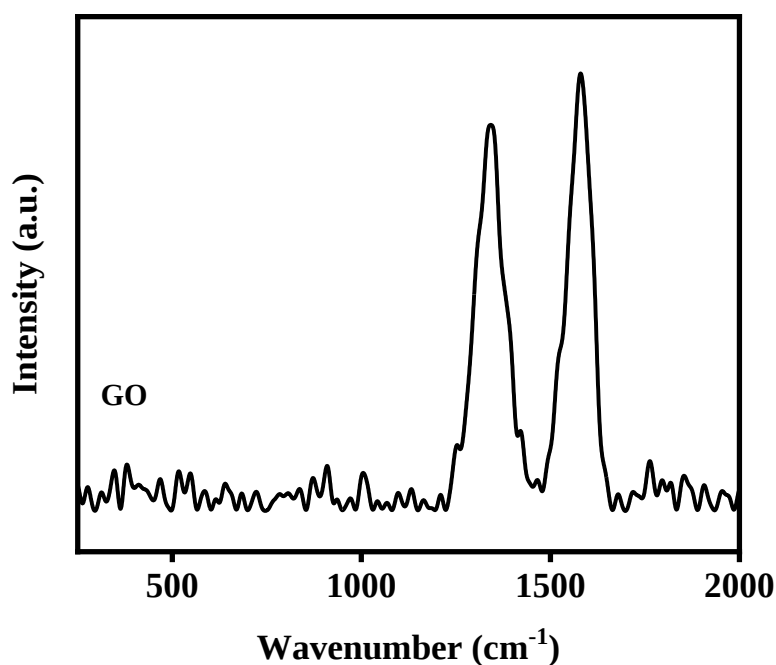
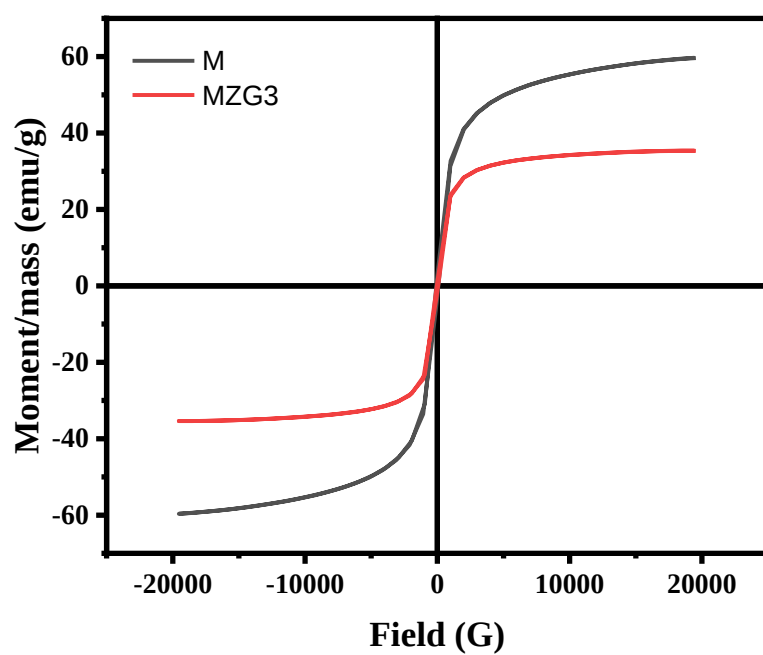


Figure S1. Raman spectra of GO.



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Figure S2. VSM measurements for M and MZG3 nanocomposite.

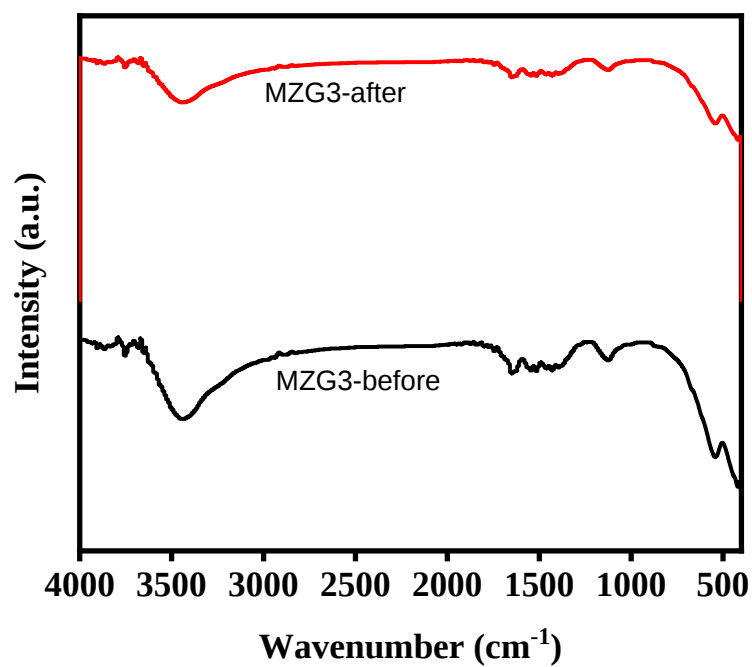


Figure S3. FT-IR spectra of MZG3 nanocomposites before and after of photocatalytic activity.

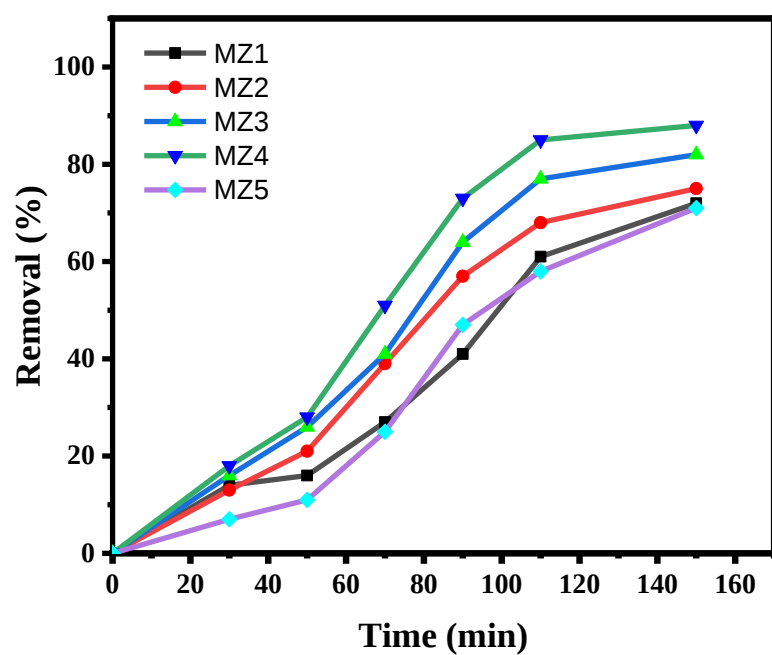


Figure S4. The degradation of MB study under visible light for MZ1 (M:Z is 0.2:1), MZ2 (M:Z is 0.4:1), MZ3 (M:Z is 0.6:1), MZ4 (M:Z is 0.8:1) and MZ5 (M:Z is 1:1).