

## Supporting Information

# Self-assembled graphene oxide/Ag@AgCl composite as Z-scheme photocatalytic system for pollutant removal

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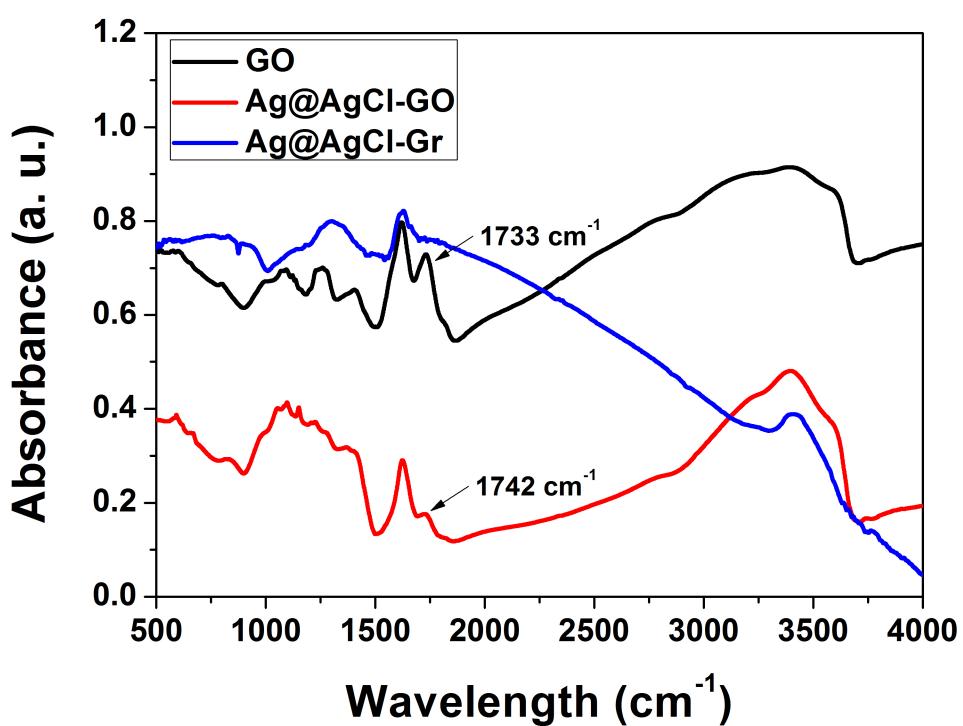
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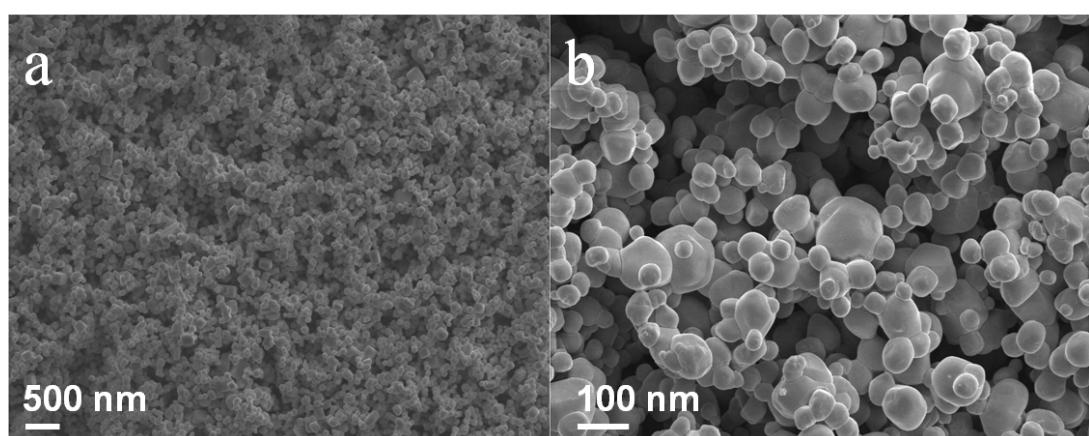
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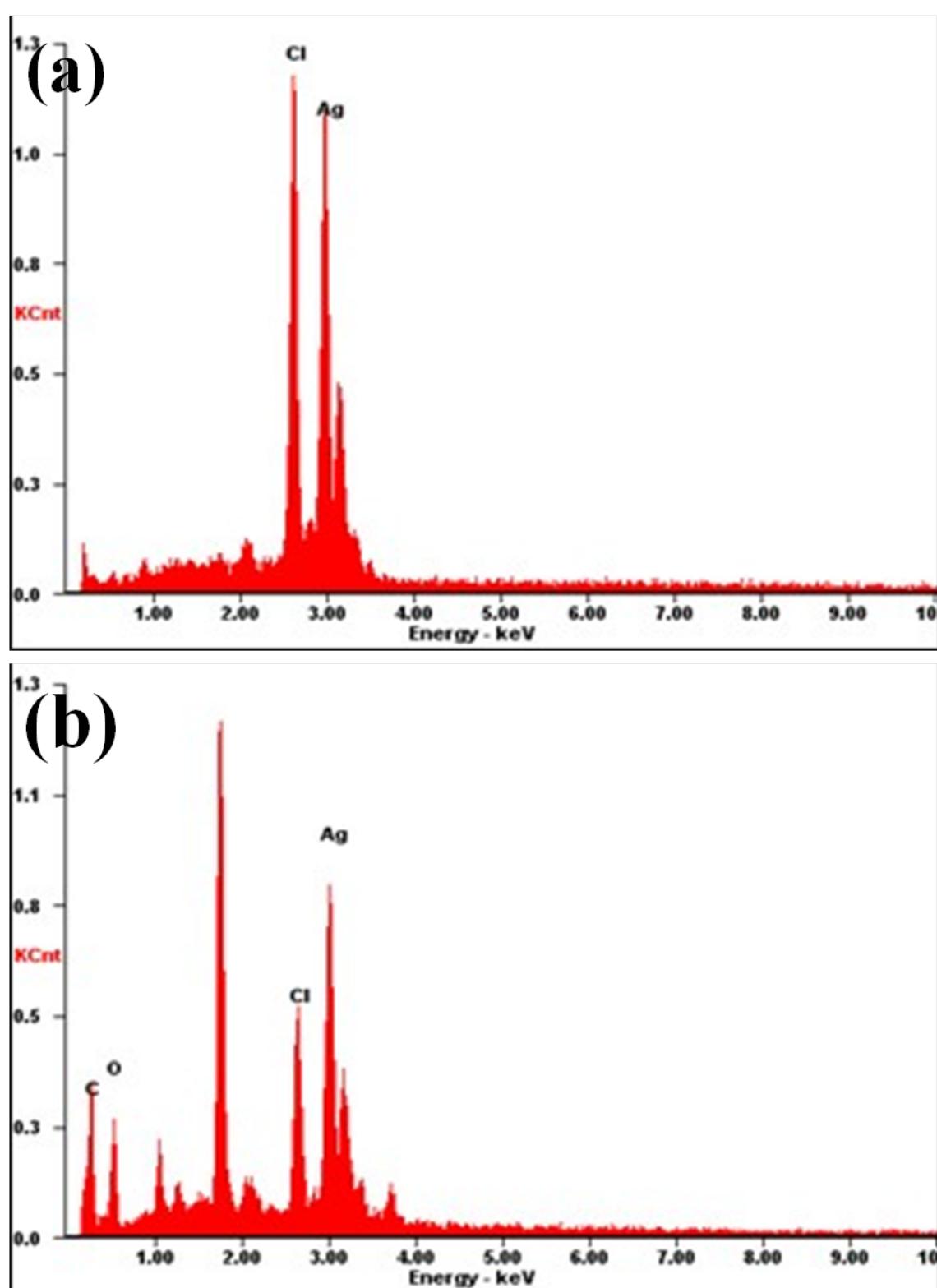
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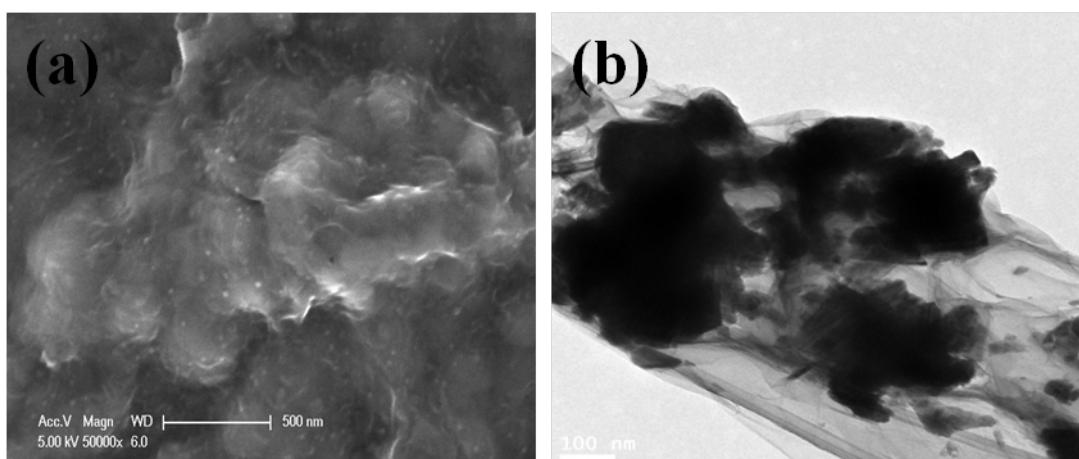
**Fig S1.** FT-IR spectra of GO, Ag@AgCl-GO and Ag@AgCl-Gr.



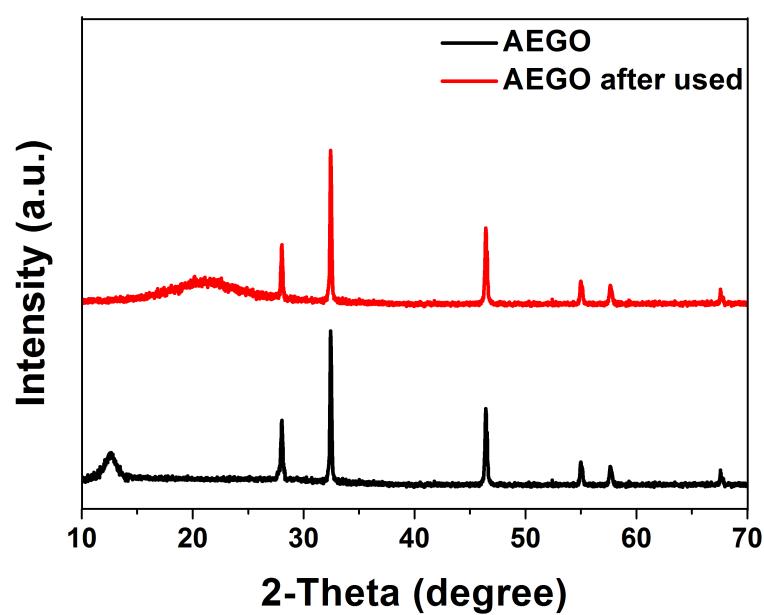
**Fig S2. SEM images of Ag@AgCl.**



**Fig S3.** EDX spectra of Ag@AgCl (a) and AEGO (b).



**Fig S4.** SEM and TEM images of Ag@AgCl/RGO with 15% graphene content.



**Fig S5.** XRD patterns of Ag@AgCl-GO before and after use.