Electronic Supplementary Material (ESI) for Journal of Materials Chemistry C.

Supplementary materials

Preparation and performance of a novel graphene oxide sheets modified rare-earth luminescence material

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Fig. S1 SEM image of GOSs.

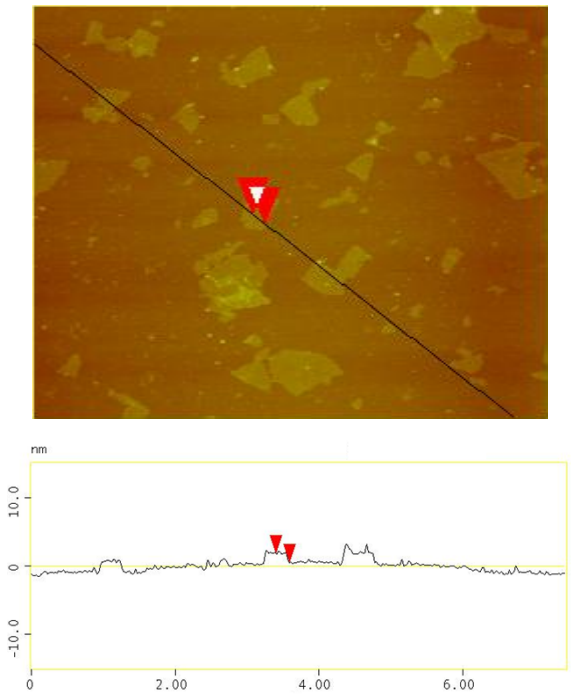


Fig. S2 AFM image of GOSs. The thickness of GOSs was 1.236nm, indicating the single layer GOSs was obtained.

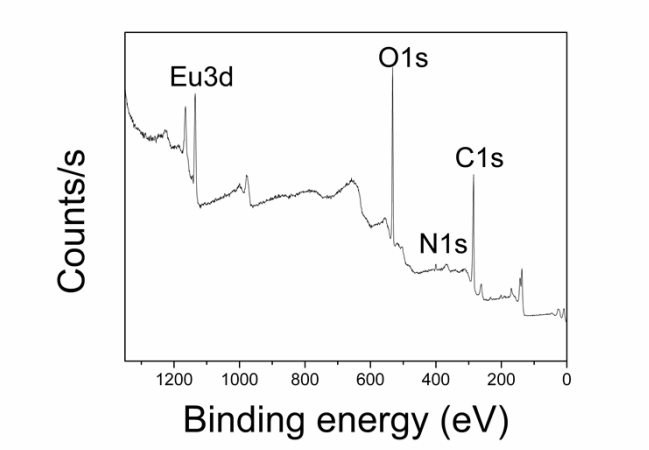
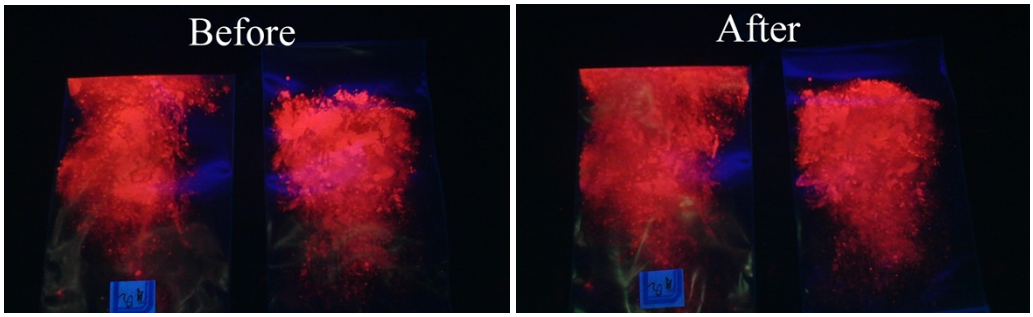


Fig. S3 XPS spectrum of Eu-PMA-phen.

UV light 254nm



UV light 365nm

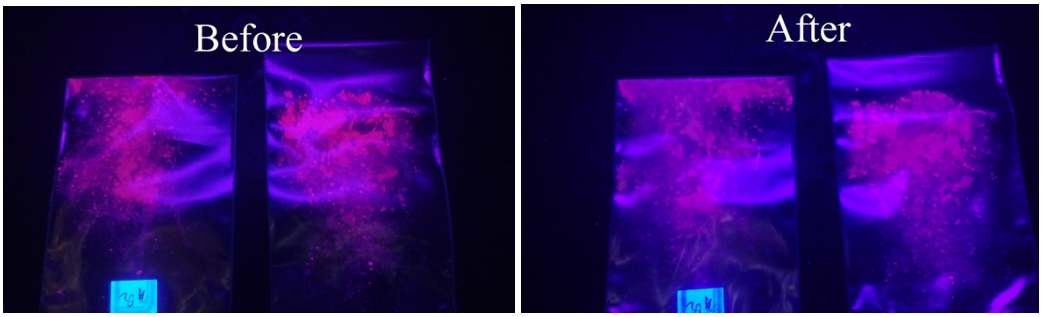


Fig. S4 Photographs of Eu-PMA-phen/GOSs[5] in the seal sample bag under the UV light (254nm and 365nm). Every image consists of the two samples (the left is in the air, the right is seal). The samples were illuminated by the UV light with 254nm and 365nm in the atmosphere with air and without air for 9 days, respectively.