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3D carbon quantum dots/graphene aerogel as a metal-free catalyst for enhanced photosensitization efficiency

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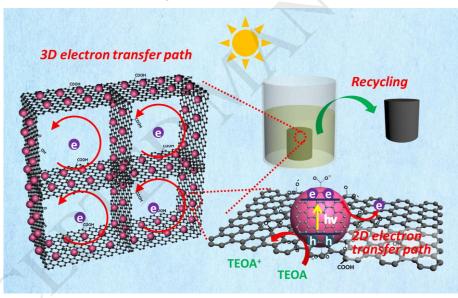
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Graphical abstract



Metal-free and regenerable 3D carbon quantum dots/graphene aerogel (CQDs/GA) composites have been successfully synthesized *via* a facile hydrothermal method, which exhibit higher photocatalytic activity than the bare CQDs because of the multidimensional electron transport pathways of their hierarchical frameworks.

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