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Synthesis of zincphthalocyanine-based conjugated microporous polymers with rigid-linker as novel and green heterogeneous photocatalysts

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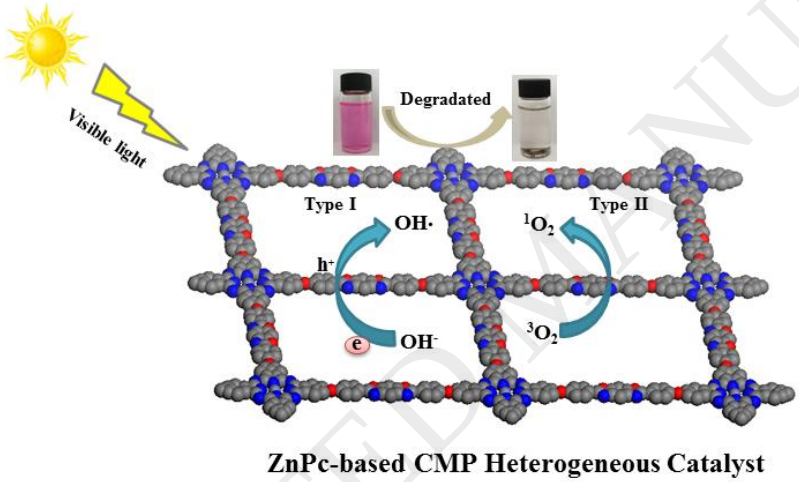
Graphical abstract



Highlights

- Zincphthalocyanine-based conjugated microporous polymers with rigid-linker were synthesized for the first time.
- It is the first time for MPc-based CMPs used as heterogeneous photocatalysts for photodegradation of RhB to date.
- The benzobisoxazoles as bridge linker efficiently reduce the aggregation of ZnPc and enhance its photocatalytic activity.
- These findings provide a facile approach to prepare green and recyclable photocatalysts for dealing with dye sewage.