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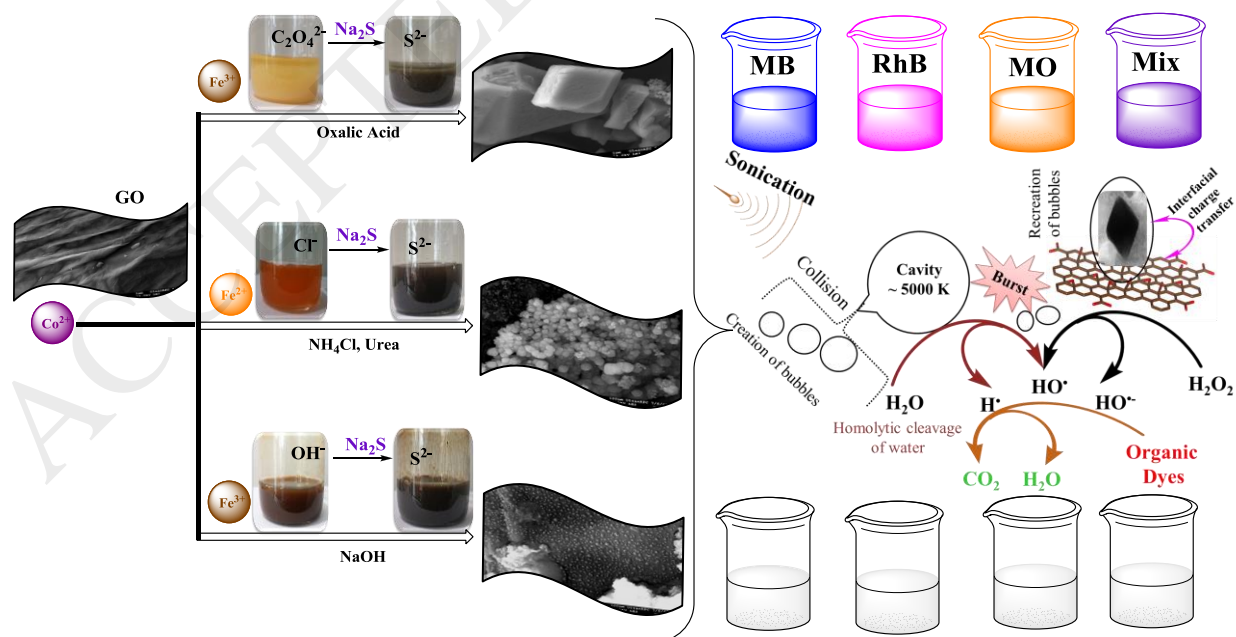
Anion-Controlled Sulfidation for Decoration of Graphene Oxide with Iron Cobalt Sulfide for Rapid Sonochemical Dyes Removal in the Absence of Light

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Graphical Abstract

Using anion-controlled sulfidation, the morphology, surface area, and band gap (2.45-2.91 eV) of iron cobalt sulfide-decorated graphene oxide was tuned via a simple hydrothermal reaction and allowed for ultrasonic cavity-induced catalytic removal of organic dyes via a sono-Fenton process in the absence of light.



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