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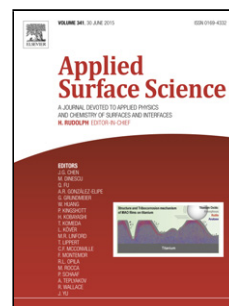
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Novel Z-scheme BiOBr/reduced graphene oxide/protonated g-C₃N₄ photocatalyst: synthesis, characterization, visible light photocatalytic activity and mechanism

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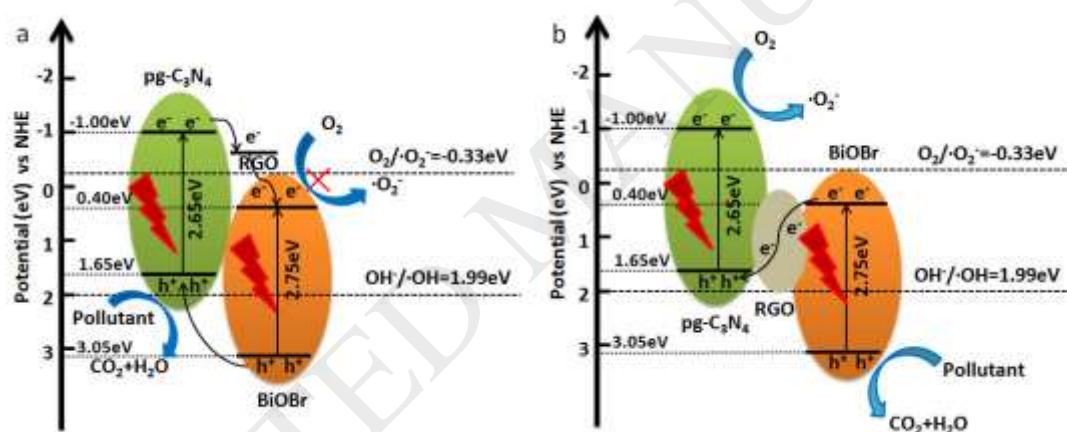
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Graphical abstract



Abstract: The novel BiOBr/reduced graphene oxide/protonated g-C₃N₄ (BiOBr/RGO/pg-C₃N₄) composites were successfully synthesized by using a facile solvothermal synthesis method. The structure, morphology, optical and electronic properties were explored by X-ray diffraction (XRD), X-ray photoelectron spectroscopy (XPS), transmission electron microscopy (TEM), UV-Vis diffuse reflectance spectroscopy (DRS), and

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