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Honeycomb Nb_2O_5/RGO wrapped on MoO_3 nanorods for visible light-driven degradation of sulfasalazine and ciprofloxacin in water

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What do these dates mean?

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Highlights

- Nb_2O_5-RGO/MoO_3 nanostructures prepared using hydrothermal synthesis coupled with ultrasonic synthesis.
- Optimised nanocomposite shows improved activity towards CIP and SSZ.
- RGO function as a charge conduction bridge between Nb_2O_5 and MoO_3.
- Nanocomposite display remarkable stability and recyclability.
- Charge transfer mechanism and identification of SSZ degradation intermediates presented.

Abstract