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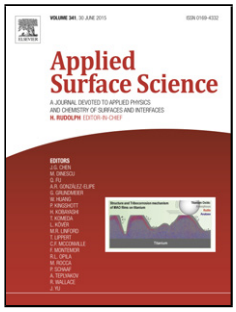

Title: Graphene Supported Silver@Silver Chloride and Ferroferric Oxide Hybrid, a Magnetically Separable Photocatalyst with High Performance under Visible Light Irradiation

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Highlights

1. The composites were synthesized via a facile and effective process;

2. Plenty of Fe_3O_4 and Ag@AgCl nanoparticles are deposited on the reduced graphene oxide nanosheets;

3. The catalyst exhibited an enhanced photocatalytic performance and magnetic property;

4. The catalyst is stable under the visible light irradiation.