

Environmental Science journals

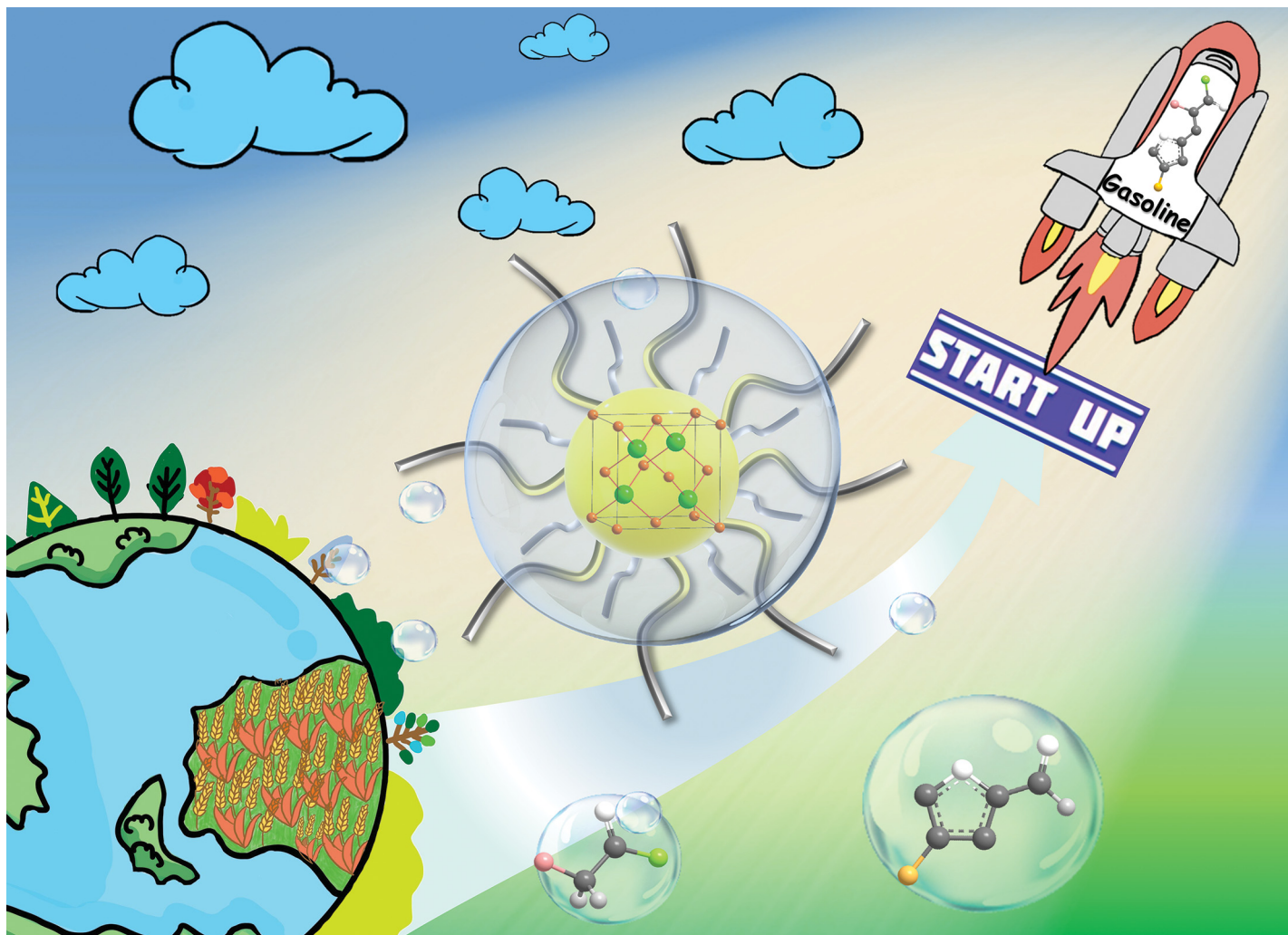
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Fundamental questions
Elemental answers



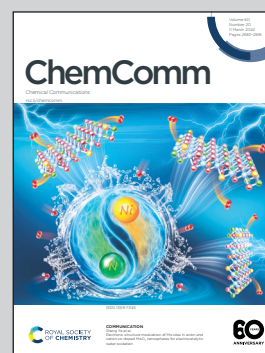


Showcasing research from Professor Hongyan-Wang's laboratory, School of Chemistry and Chemical Engineering, Shaanxi Normal University, Xi'an, China.

Bi-ligand-fabricated CdS quantum dots to photo-induce aqueous-phase aldol condensation for biomass-derived carbonyl compounds

Bi-ligands, 11-sulfanylundecanoic acid and proline decorated CdS Quantum Dots can facilitate the photo-induced aldol condensation of biomass-derived compounds to generate products with diverse applications. Some of them can be applied as precursors for dense energy resources in the aviation field.

As featured in:



See Hong-Yan Wang *et al.*,
Chem. Commun., 2024, **60**, 2752.