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Title: Template-free fabrication of hierarchical MoS₂/MoO₂ nanostructures as efficient catalysts for hydrogen production

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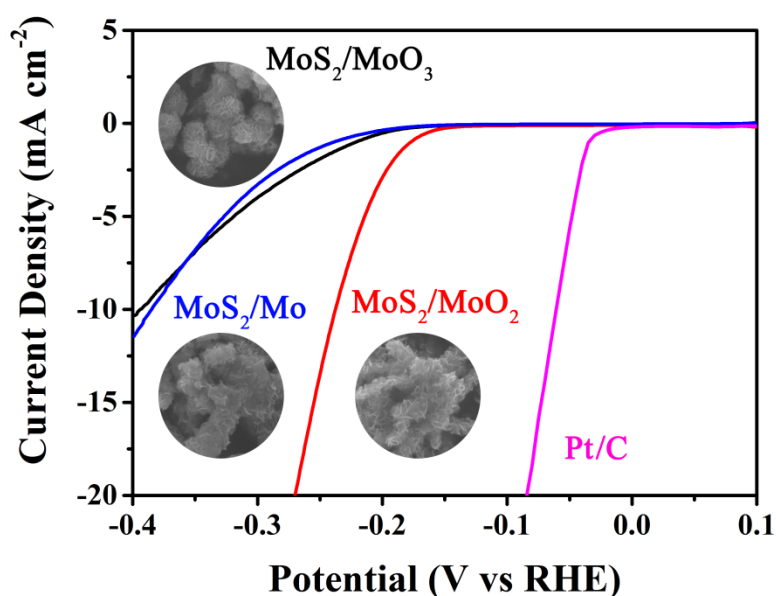
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Graphical abstract



Highlights

1. Hierarchical MoS₂/MoO₂ nanostructures were successfully prepared.
2. Hierarchical MoS₂/MoO₂ nanostructures show excellent HER performance.
3. The generation of MoS₂ shells accelerates the mass transportation.
4. The metallic MoO₂ core ensures the highly efficient electron transfer ability.

Abstract

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