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Three-dimensional hierarchical porous TiO₂/graphene aerogels as promising anchoring materials for lithium–sulfur batteries

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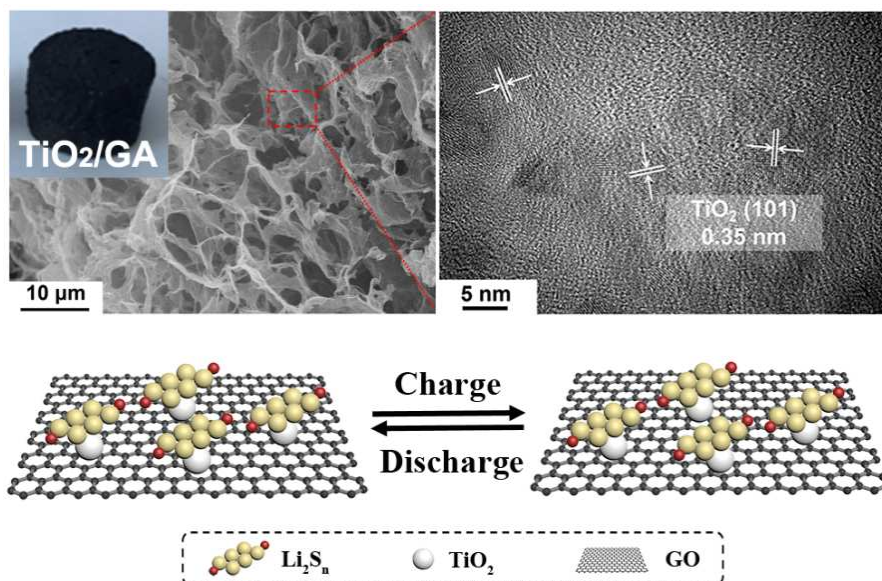
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Graphical abstract



A three-dimensional TiO₂/graphene aerogel (TiO₂/GA) composite with hierarchical porous structure, showing strong interfacial chemical and physical interactions with soluble polysulfide intermediates (Li₂S_n, 4 ≤ n ≤ 8), is effectively applied as a promising anchoring material for lithium–sulfur batteries.

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