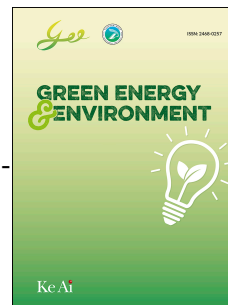


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Carbon Coated Ultrasmall Anatase TiO₂ Nanocrystal Anchored on N,S-RGO as High-Performance Anode for Sodium Ion Batteries

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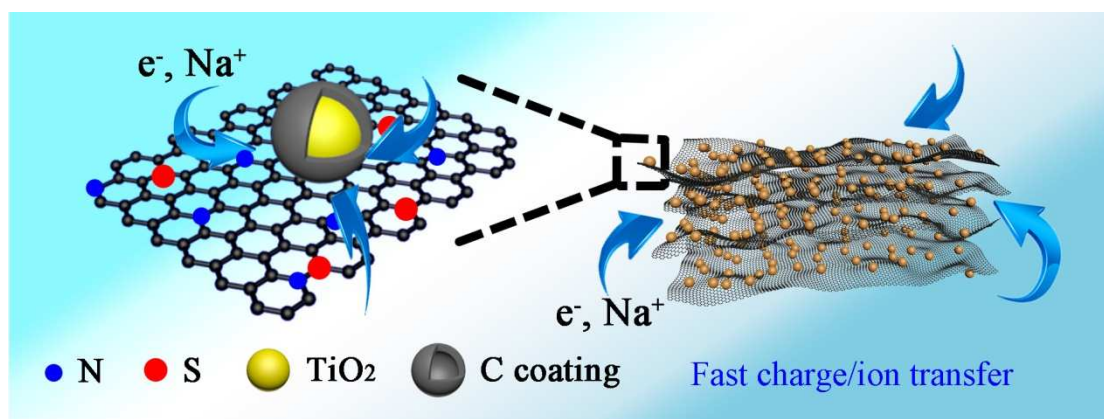
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TOC



Highlights:

1. A rational designed composite to anchor ultras-small carbon coated anatase TiO_2 on nitrogen and sulfur co-doped RGO matrix was prepared.
2. The composite exhibited elevated electronic and ionic conductivity and lead to favorable rate capability as anode for sodium ion batteries.
3. The anode material delivered superior long term cycling performance with a capacity retention of 181 mA h g^{-1} after 2000 cycles at 2 C.

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