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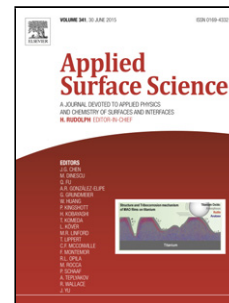
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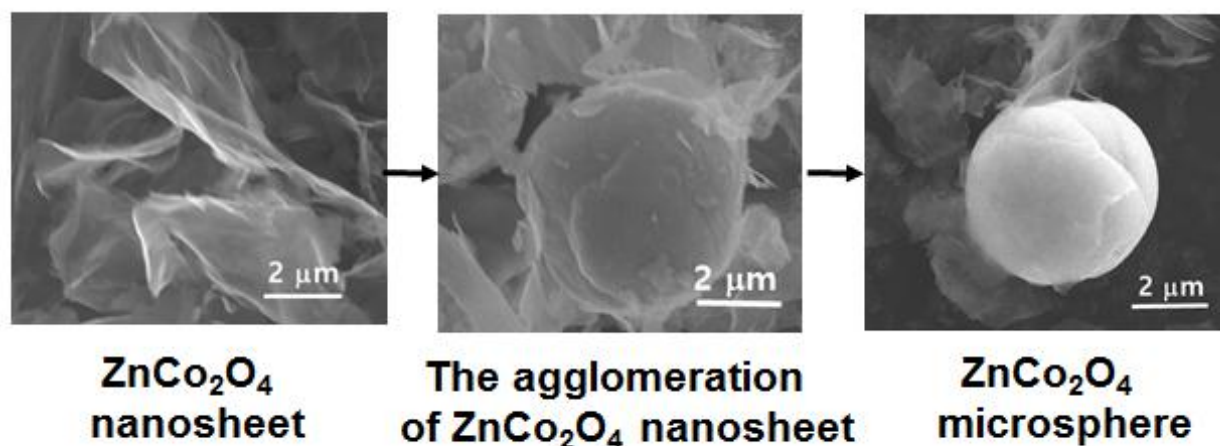
# The Two-Dimensional to Three-Dimensional Transition Structures of $\text{ZnCo}_2\text{O}_4$ for the Application of Lithium-Ion Batteries

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## Graphical Abstract

We demonstrated the transformation of  $\text{ZnCo}_2\text{O}_4$  nanostructures from nanosheets to microsphere without the use of any surfactant or template.



## Highlights

- $\text{ZnCo}_2\text{O}_4$  microspheres were formed by the agglomeration of  $\text{ZnCo}_2\text{O}_4$  nanosheets
- The assembly of the  $\text{ZnCo}_2\text{O}_4$  nanosheet depends on the surface free energy of solution
- $\text{ZnCo}_2\text{O}_4$  hybrid structure was consisted of the well-connected  $\text{ZnCo}_2\text{O}_4$  nanoparticles

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