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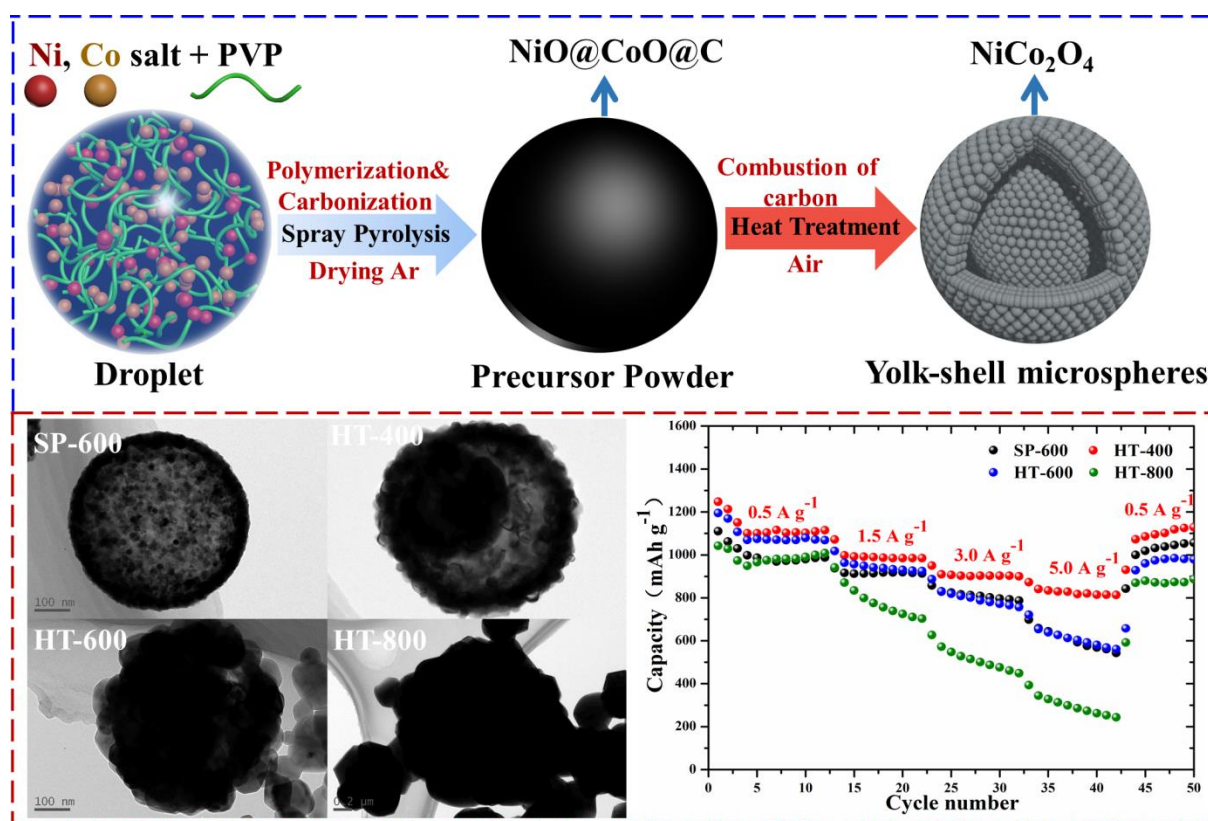
Self-templated formation of hierarchical NiCo_2O_4 yolk-shell microspheres with enhanced electrochemical properties

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Graphical abstract:



Novel hierarchical NiCo_2O_4 microspheres with a yolk-shell structure are successfully constructed via a two-step synthetic method combining a facile and scalable spray pyrolysis with a simple but powerful heat treatment process. The heat-treated temperatures can be adjusted to obtain different structured nickel-cobalt oxide microspheres. As LIB anode materials, The microspheres with yolk-shell structure exhibit significantly enhanced electrochemical performances.

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