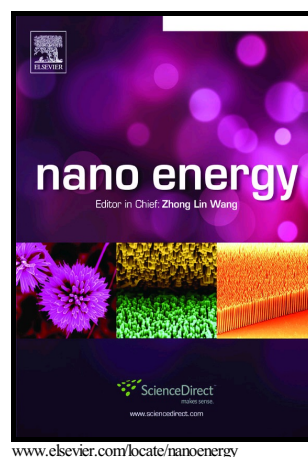


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Design and Synthesis of Multiroom-Structured Metal Compounds– Carbon Hybrid Microspheres as Anode Materials for Rechargeable Batteries

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Abstract

A novel structure denoted as a “multiroom carbon hybrid”, which comprises empty voids dispersed in metal oxide-, sulfide-, and selenide-carbon composites is introduced. Multiroom-structured carbon hybrid microspheres of single component Co_3O_4 and NiO and multicomponent $(\text{Ni}_{0.5}\text{Co}_{0.5})\text{O}_x$ were successfully prepared using a one-pot spray pyrolysis

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