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Title: Electrochemical energy storage perovskite

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Herein, a novel high-entropy double perovskite oxide (HEDPO), Pr<sub>0.2</sub> La<sub>0.2</sub> Nd<sub>0.2</sub> Na<sub>0.2</sub> Ca<sub>0.2</sub> Ba<sub>0.5</sub> Sr<sub>0.5</sub> Co<sub>1.5</sub> Fe<sub>0.5</sub> ...

Perovskite fluorides for electrochemical energy storage and conversion: Structure, performance and mechanisms

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The present review discusses about supercapacitor performance of perovskite oxides and metal halide perovskite materials. The trends in research has improved its energy ...

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Metal halide perovskites (MHPs) have gained significant attention as a revolutionary class of materials in

photovoltaic technology, offering high power conversion efficiency, cost ...

In particular, transition metal perovskite fluoride ( $ABF_3$ ) has emerged as a promising electrode material due to its excellent properties. This section reviews the ...

Perovskite-based nanostructures are used in supercapacitors and batteries for energy storage applications because of their large surface area, which facilitates effective ion ...

Herein, a new pseudocapacitive multiple perovskite fluorides ( $ABF_3$ ) cathode is designed, represented by  $KMF$ - (IV, V, and VI;  $M = NiCoMnZn/-Mg/-MgFe$ ), and constructed ...

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