

Supporting Information

Synthesize of Strontium Hexaferrite Nanoplates and its Enhanced Electrochemical Performances by Zn²⁺ Doping for High-Rate and Long-Life lithium-Ion Batteries

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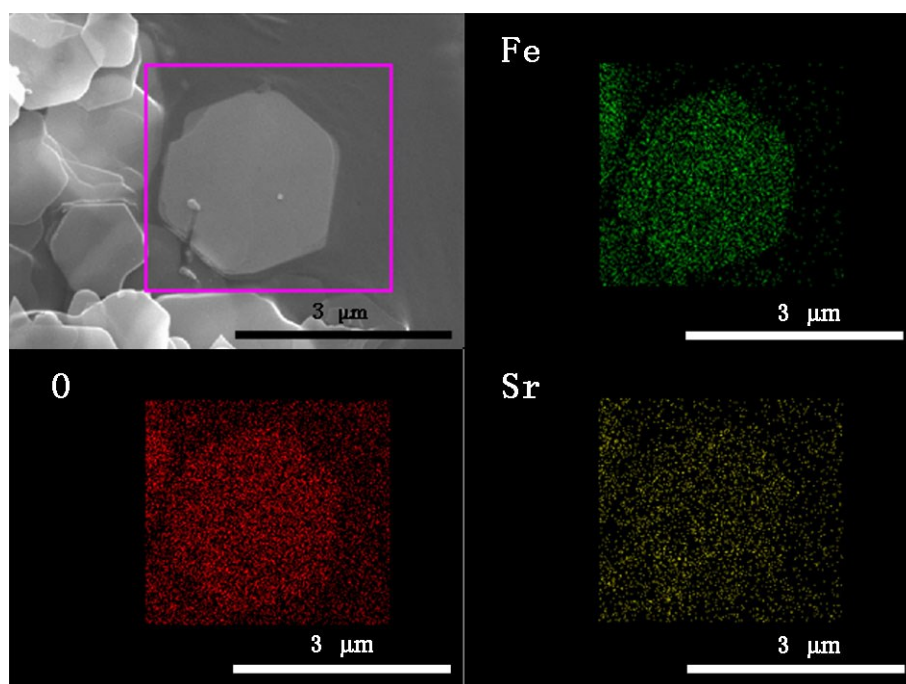


Fig. S1 SEM and EDX mapping images (Fe, O, Sr) of $\text{SrFe}_{12}\text{O}_{19}$ nanoplates.

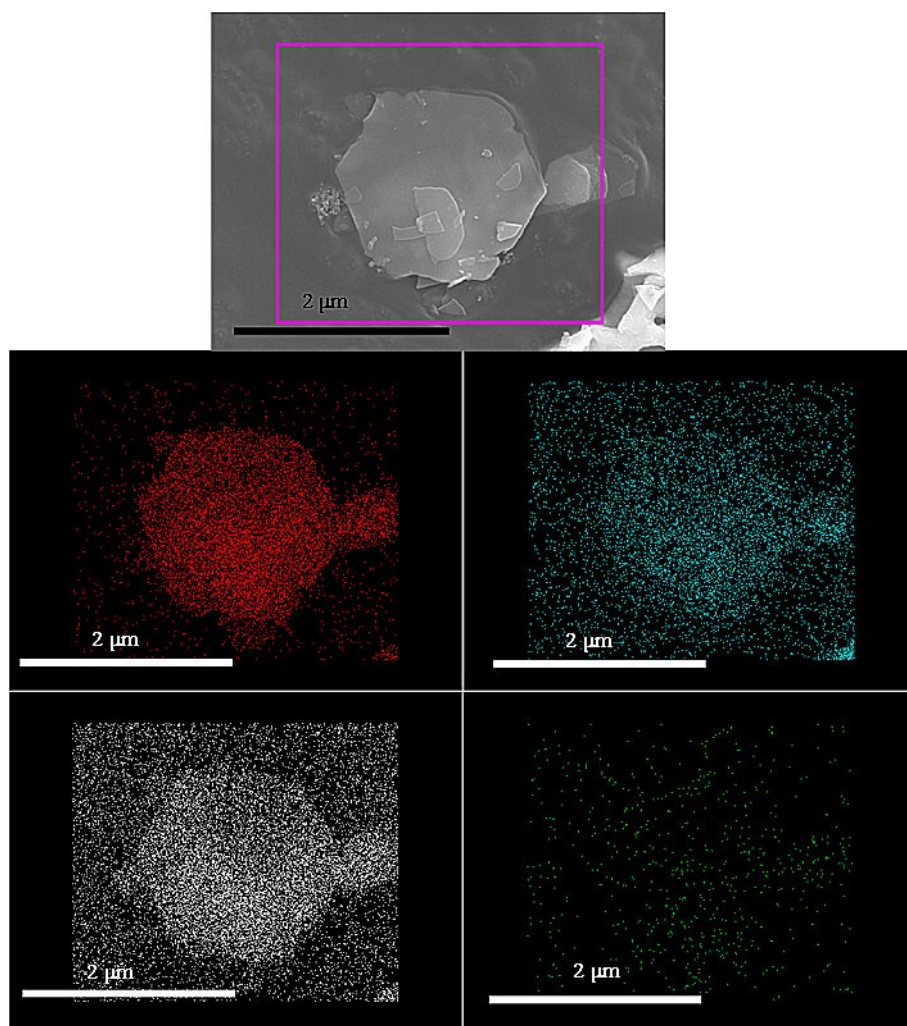


Fig. S2 SEM and EDX mapping images (Fe, O, Sr, Zn) of Zn^{2+} -doped $\text{SrFe}_{12}\text{O}_{19}$ nanoplates.

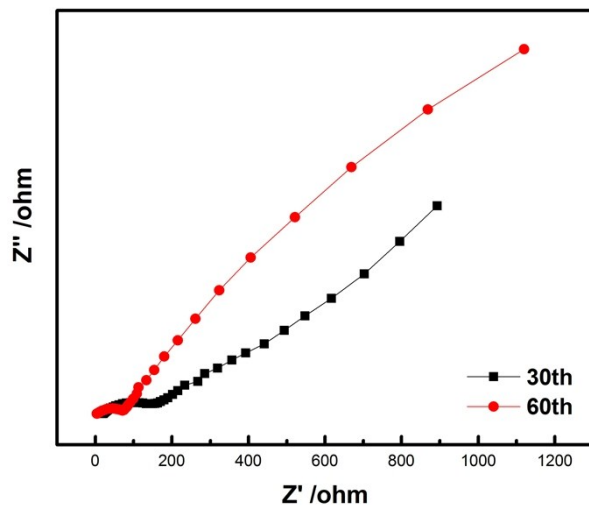


Fig. S3 Nyquist plots of Zn^{2+} -doped $\text{SrFe}_{12}\text{O}_{19}$ anodes after 30th and 60th discharge/charge process at a current density of 100 mA g^{-1} .