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## **Supplementary Data**

Fig.1s IR spectra of ETS-1 and ETS-2



Fig.2s Raman spectra of ETS-1 and ETS-2

The IR and Raman spectra of ETS-1 and ETS-2 revealed that they were exhibiting different peaks, indicating ETS-1 and ETS-2 were different materials. There might be some differences between the structures of ETS-1 and ETS-2, not simply the partial replacement of Na by K. (At this moment, it is difficult for us to ascribe the peaks well).



Fig.3s XRD patterns of ETS-2 7d

The XRD pattern of ETS-2-7d was quite weak, indicating that ETS-2 was a poorly crystallized material.