

Supporting Information:

Magnetic, Structural and Spectroscopic Properties of Iron(II)-Octacyanonionobate(IV) Crystalline Film Obtained by Ion-Exchange Synthesis

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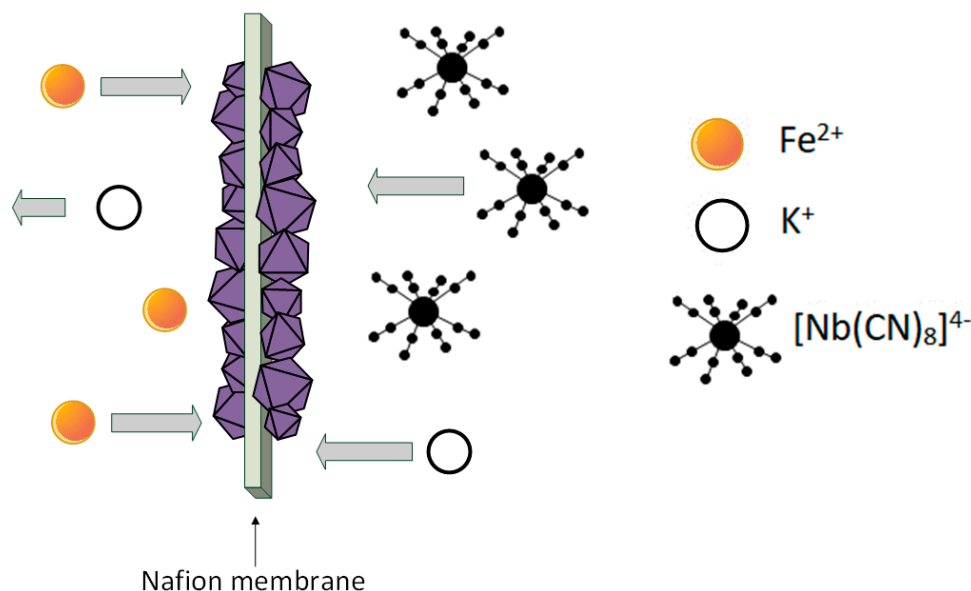


Figure S1. Schematic illustration of the growth process of $[\text{Fe}^{\text{II}}(\text{H}_2\text{O})_2][\text{Nb}^{\text{IV}}(\text{CN})_8] \cdot 4\text{H}_2\text{O}$ crystalline film during ion exchange synthesis, where a transparent Nafion membrane is used as a solid substrate.

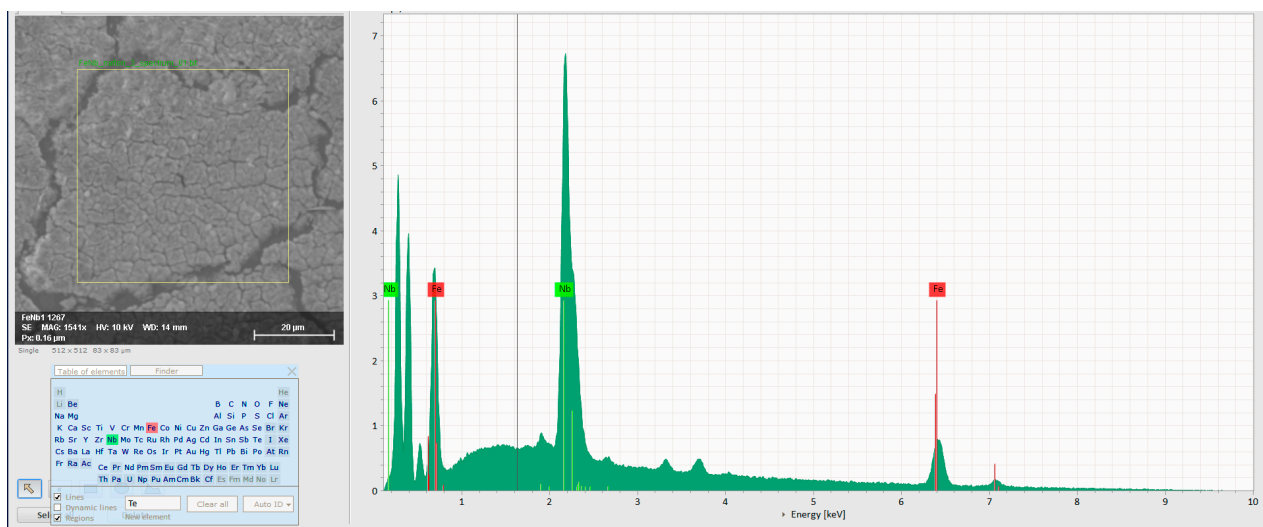


Figure S2. Energy dispersive x-ray spectroscopy (EDS) analysis data of $[\text{Fe}^{\text{II}}(\text{H}_2\text{O})_2]_2[\text{Nb}^{\text{IV}}(\text{CN})_8] \cdot 4\text{H}_2\text{O}$ film deposited on the Nafion membrane during ion- exchange synthesis with the time 60s.

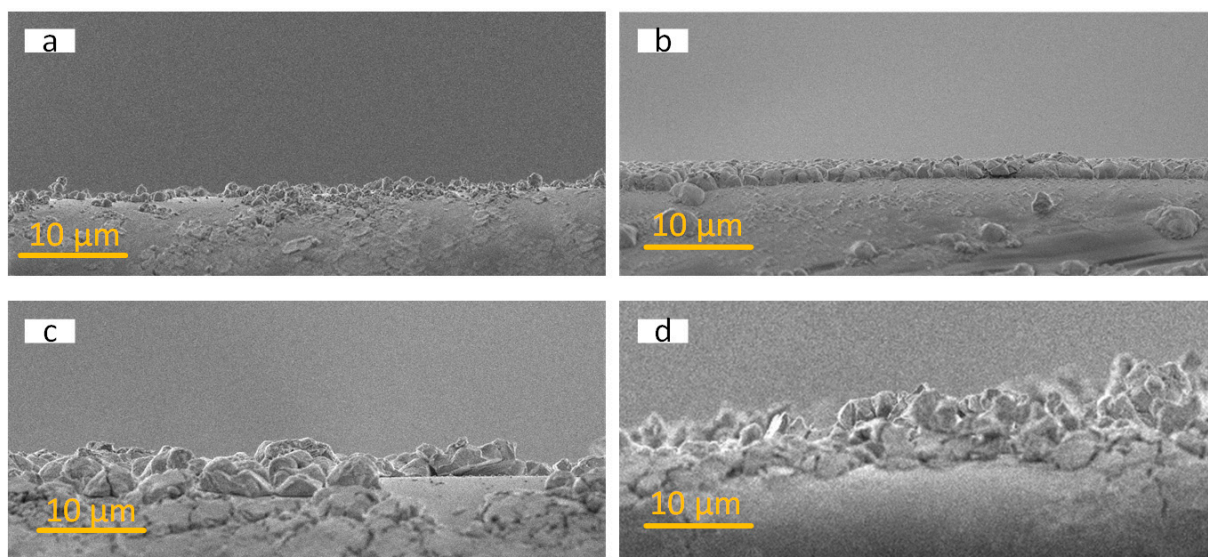


Figure S3. The cross section of the $[\text{Fe}^{\text{II}}(\text{H}_2\text{O})_2]_2[\text{Nb}^{\text{IV}}(\text{CN})_8] \cdot 4\text{H}_2\text{O}$ film deposited on the Nafion membrane during ion-exchange synthesis with the time (a) 10s, (b) 30s, (c) 60s and (d) 180s.