

Electrochemical and Diffusional Investigation of $\text{Na}_2\text{Fe}^{\text{II}}\text{PO}_4\text{F}$ Fluorophosphate Sodium Insertion Material Obtained from Fe^{III} Precursor

Lalit Sharma,[†] Prasant Kumar Nayak,[‡] Ezequiel de la Llave,[‡] Haomin Chen,^{\$}
Stefan Adams,^{\$} Doron Aurbach,[‡] and Prabeer Barpanda^{†,*}

[†] Faraday Materials Laboratory, Materials Research Center,
Indian Institute of Science, C. V. Raman Avenue, Bangalore, 560012, India.

[‡] Department of Chemistry, Bar-Ilan University, Ramat-Gan 5290002, Israel.

^{\$} Department of Materials Science and Engineering, National University of Singapore,
9 Engineering Drive 1, Singapore 117575, Singapore.

* author for correspondence

E-mail: prabeer@mrc.iisc.ernet.in

Phone: +91-80 2293 2783; Fax: +91-80 2360 7316

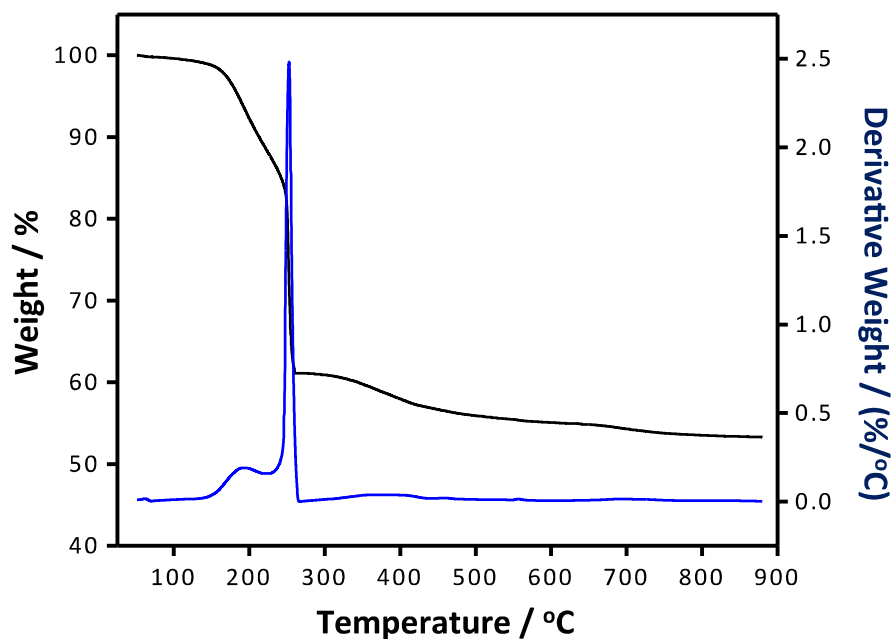


Figure S1: TGA plot of combustion ash (intermediate complex) obtained after combustion reaction of precursor solution upon heating at 120 °C. Sharp weight loss owing to the decomposition of combustion ash is noticed in the temperature range of 150-250 °C.

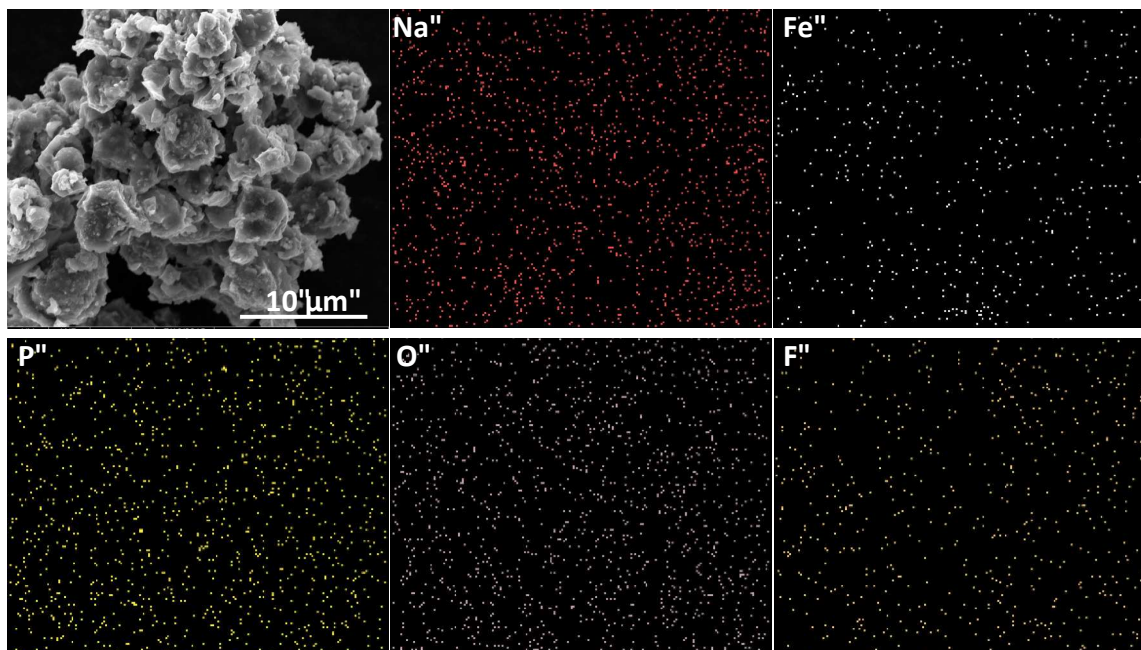


Figure S2: EDAX Spectra of Na₂FePO₄F showing uniform distribution of all elements.