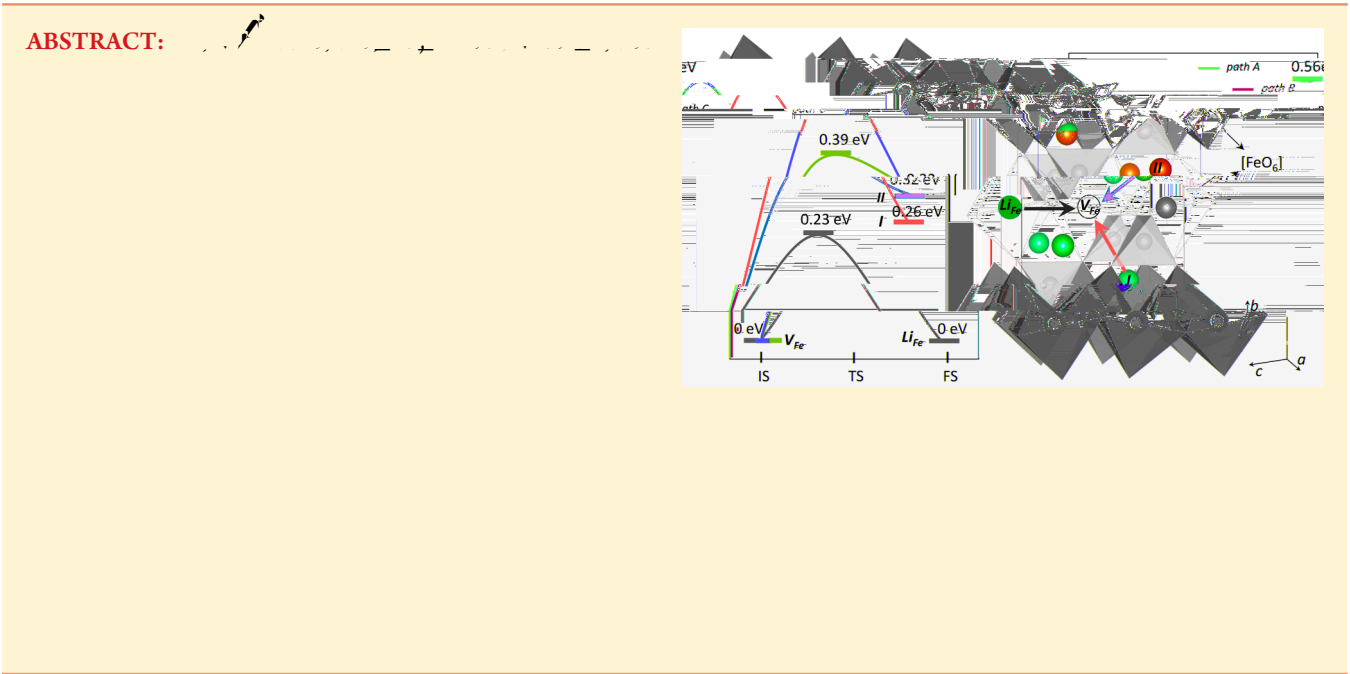


Storage and Effective Migration of Li-Ion for Defected β -LiFePO₄ Phase Nanocrystals

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S Supporting Information



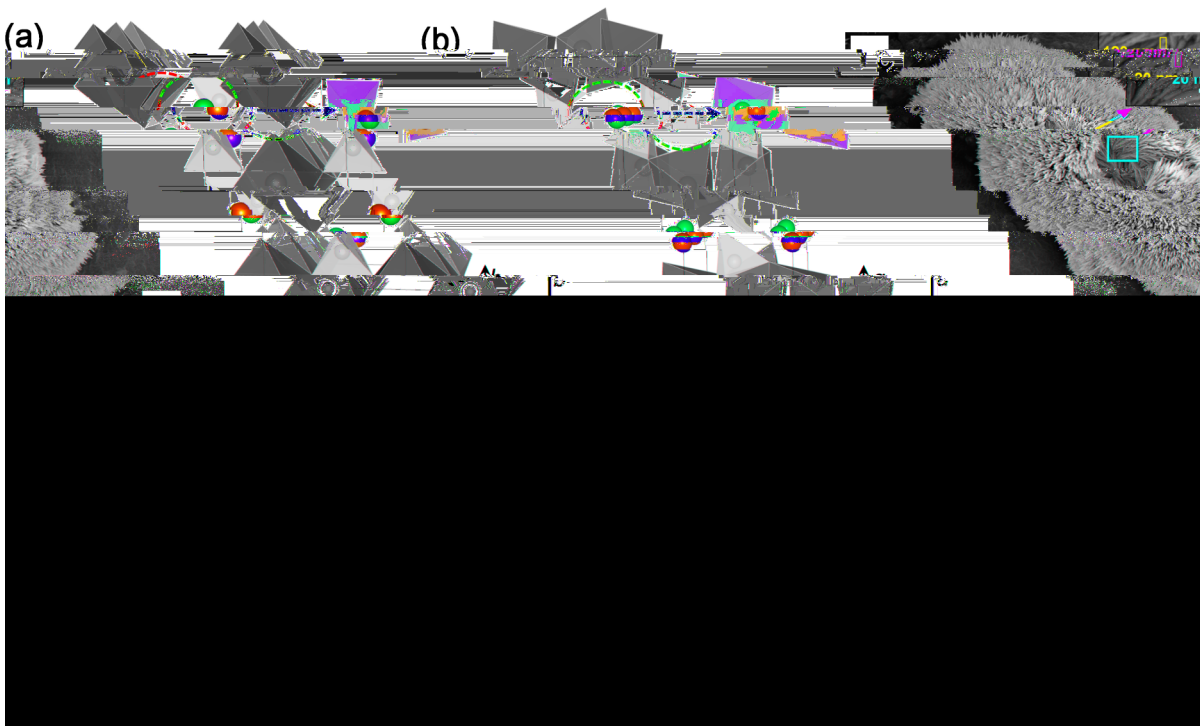


Figure 1.

[illegible]

Experimental Methods. Synthesis of Nanocrystals of Beta Lithium Iron Phosphate.

Figure 1: Schematic representation of the experimental setup. A horizontal tube is shown with a piston on the left and a gas inlet on the right. The tube is divided into two sections: a left section labeled 'A' and a right section labeled 'B'. The piston is labeled 'Piston' and the gas inlet is labeled 'Gas inlet'. The tube is labeled 'Tube' and the gas is labeled 'Gas'. The temperature of the gas is indicated as 80 °C. The pressure of the gas is indicated as 180 °C. The flow rate of the gas is indicated as 8 l/min. The flow rate of the piston is indicated as 180 °C. The flow rate of the gas is indicated as 80 °C.

Treatment for Controlled Disorder. **T**

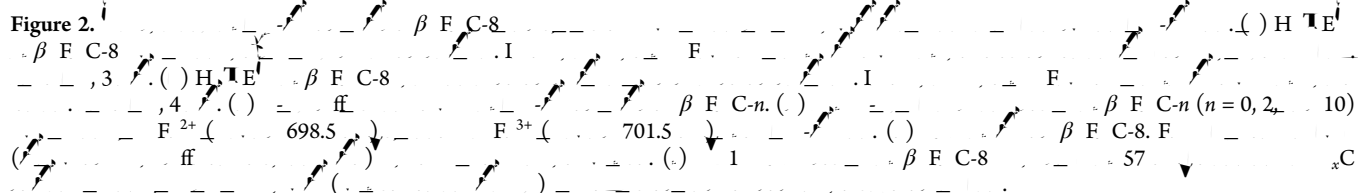
(β F) 350 ff (β F)

Characterizations of Materials.

(D) — B. D8-A — $2\theta = 10-120^\circ$ 1
ff — C — α —
fi — 0.02° —
A 55 — 5 — (E, EI
(E, FEI G² F30). —
() — E CA AB 250 —
B — (A) —
8.0.1 — (A) —
B — (B) — E —

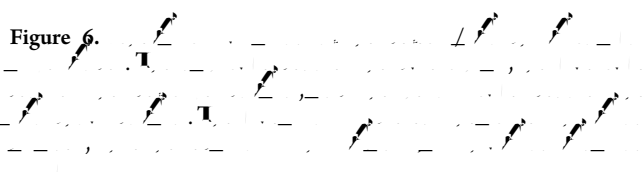
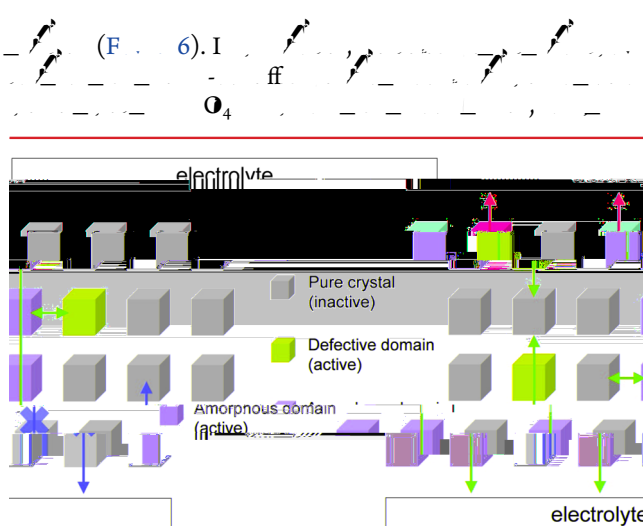
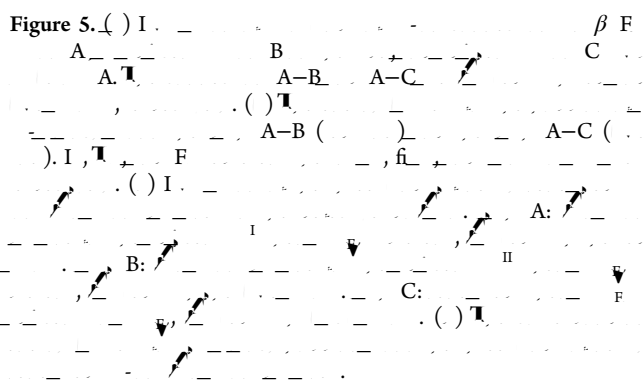
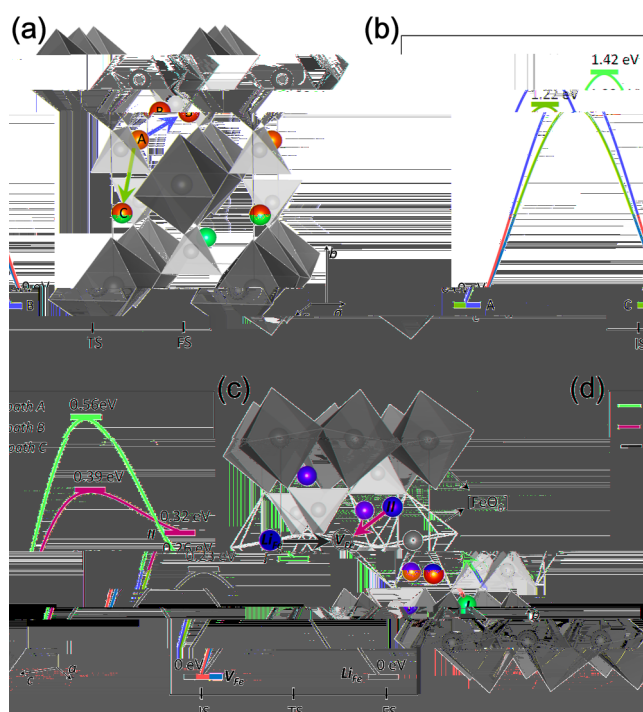
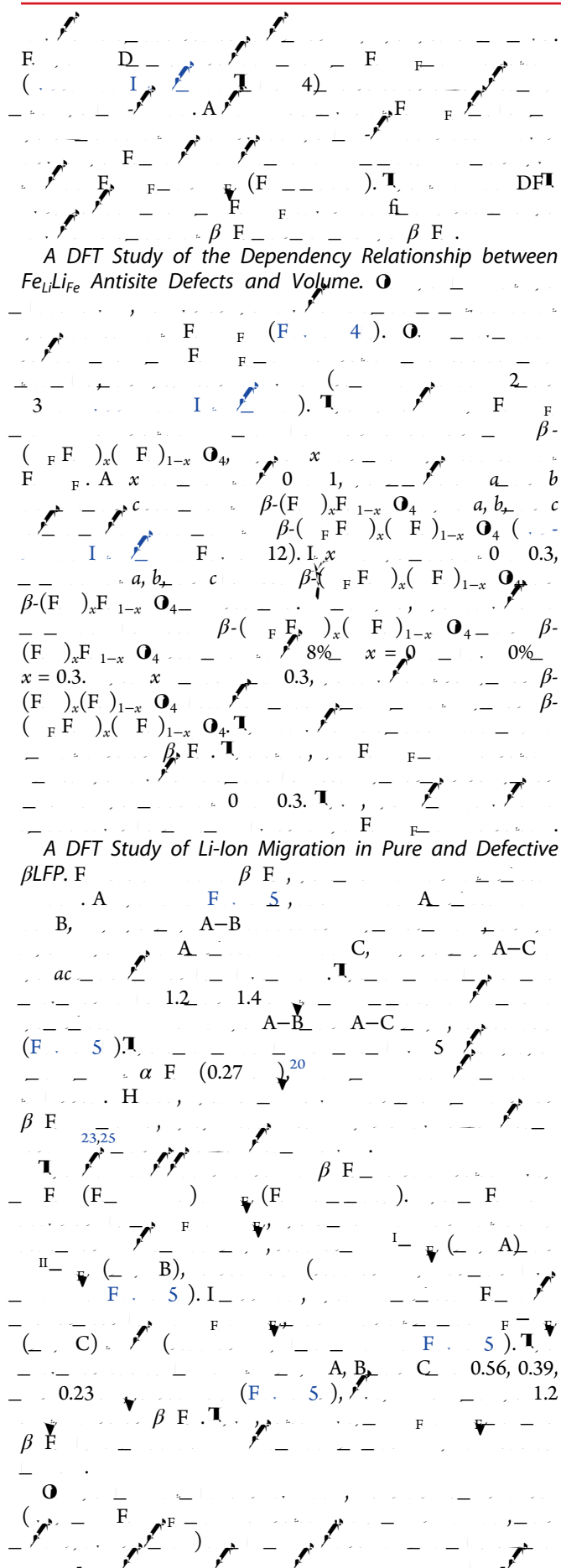
Electrochemical Properties Characterization. E

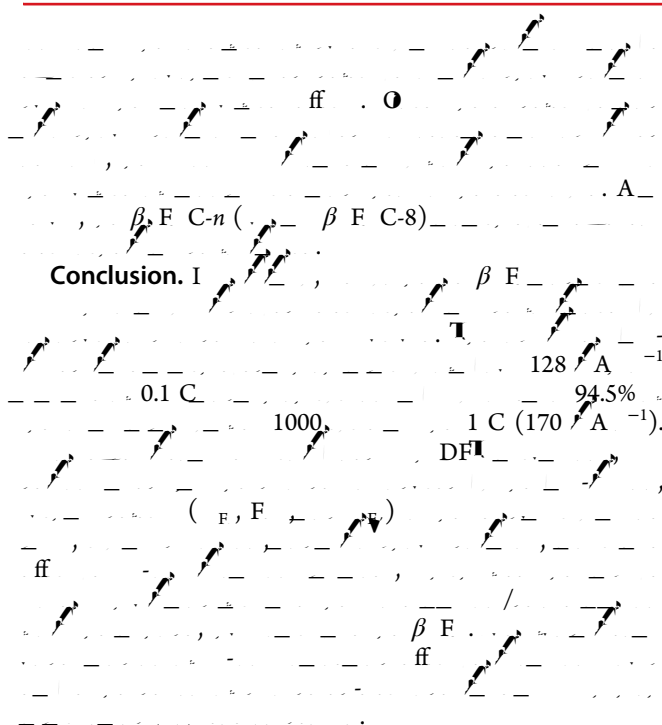
$$J = \frac{1}{2} \int_{-\infty}^{\infty} dt \int_{-\infty}^{\infty} dx \left[\frac{1}{2} \left(\frac{\partial \phi}{\partial t} \right)^2 + \frac{1}{2} \left(\frac{\partial \phi}{\partial x} \right)^2 + \frac{1}{2} \left(\frac{\partial \phi}{\partial y} \right)^2 + \frac{1}{2} \left(\frac{\partial \phi}{\partial z} \right)^2 + \frac{1}{2} \left(\frac{\partial \phi}{\partial t} \right)^2 + \frac{1}{2} \left(\frac{\partial \phi}{\partial x} \right)^2 + \frac{1}{2} \left(\frac{\partial \phi}{\partial y} \right)^2 + \frac{1}{2} \left(\frac{\partial \phi}{\partial z} \right)^2 \right] \quad (2)$$



$$\begin{array}{c}
 \text{F}^{2+}/\text{F}^{3+} \\
 3.5 \quad \alpha \text{ F} \cdot \text{F} \\
 \beta \text{ F} \text{ C-0 (F} \cdot \text{1)} \\
 \alpha \text{ F} \text{ --- } 3.5 \quad \text{C} \text{ } \mathbf{O}_{2\text{r}}
 \end{array}$$

6





Conclusion. I

ASSOCIATED CONTENT

Supporting Information

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D 20130331145131323, C 20140903101633318,
C 20140903101617271). A [redacted] C [redacted] C [redacted]

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