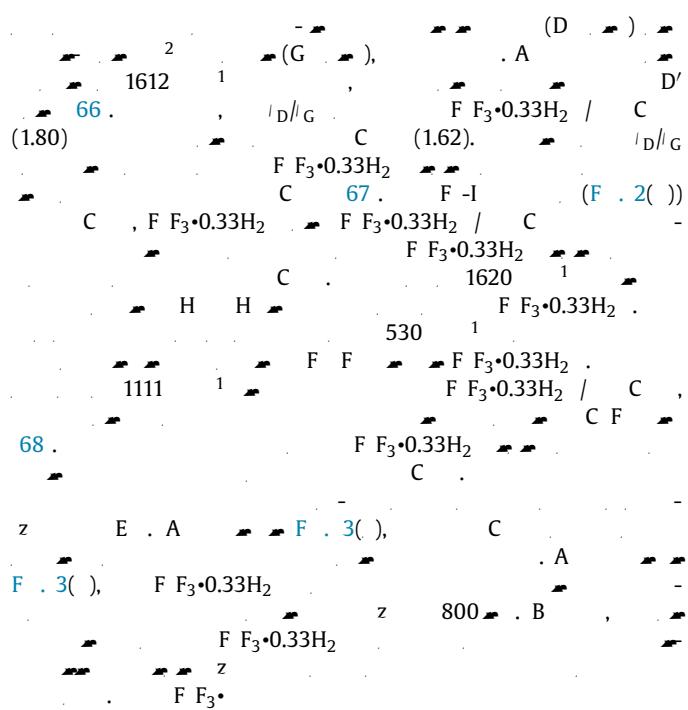
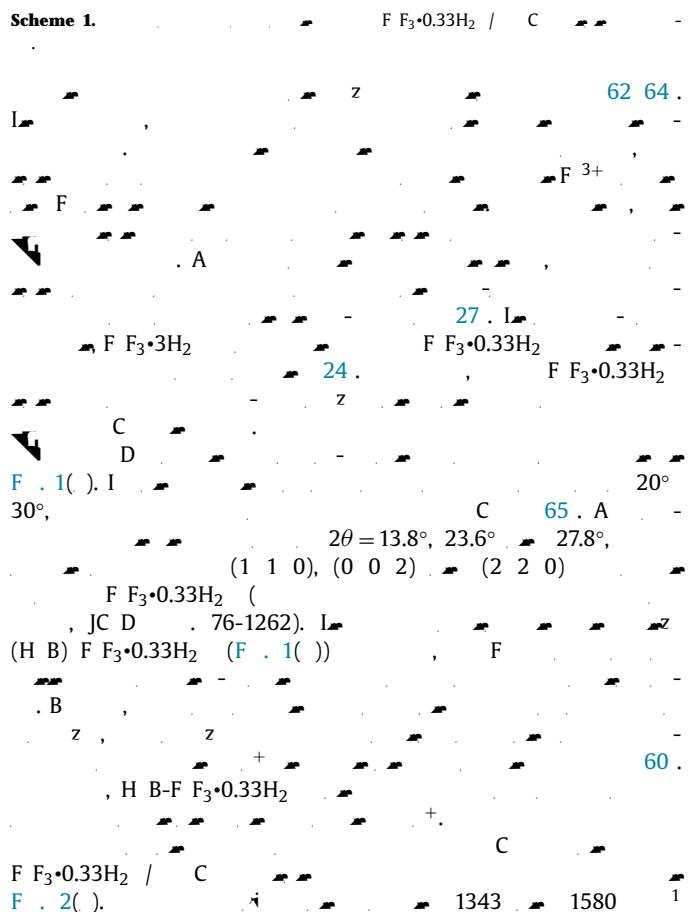
**Scheme 1.**

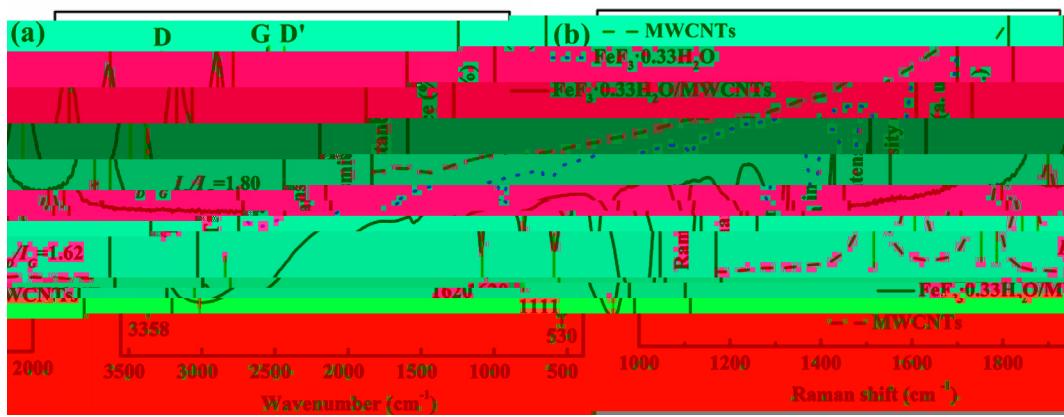


Fig. 2. (a) Raman spectra of the stacked layers. (b) Schematic diagram of the layered structure.

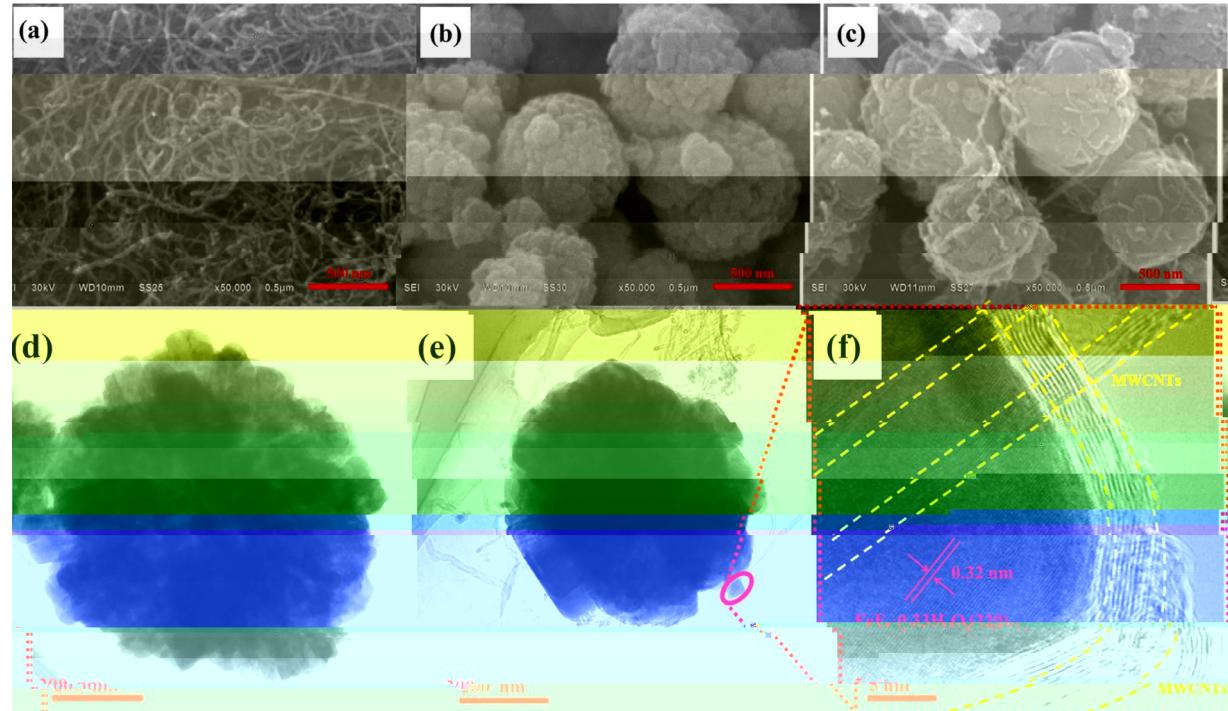


Fig. 3. (a)-(c) SEM images of the stacked layers. (d)-(f) TEM images of the stacked layers.

Table 1.

| | F F ₃ ·0.33H ₂ | F F ₃ ·0.33H ₂ / C |
|--|--------------------------------------|--|
| BE (² / ₁) | 33 | 0.067 |
| F F ₃ ·0.33H ₂ / C | 45 | 0.18 |

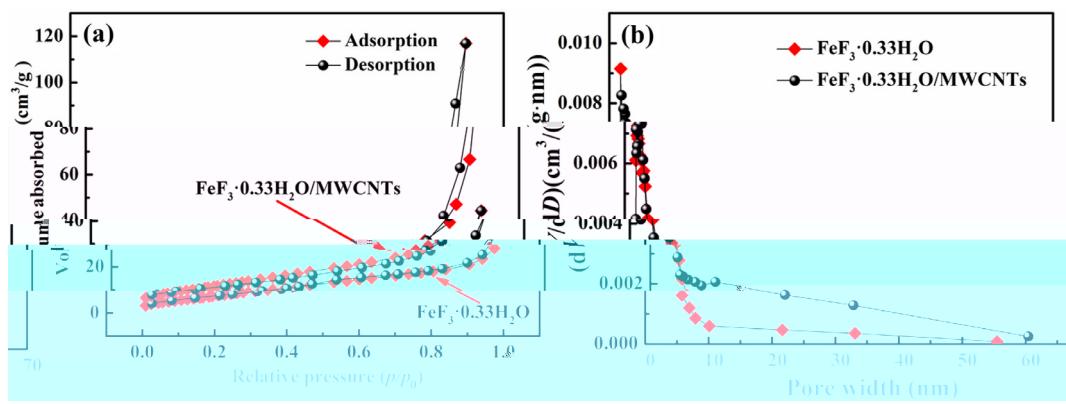


Fig. 4. (a) Nitrogen adsorption-desorption isotherms and (b) pore size distribution for $\text{FeF}_3\cdot0.33\text{H}_2\text{O}/\text{MWCNTs}$ and $\text{FeF}_3\cdot0.33\text{H}_2\text{O}$.

294.4 A 1. $\text{FeF}_3\cdot0.33\text{H}_2\text{O}/\text{C}$
246.0 A 1. 5
211.6 A 1. 10
163.8 A 1. 30 . E ,

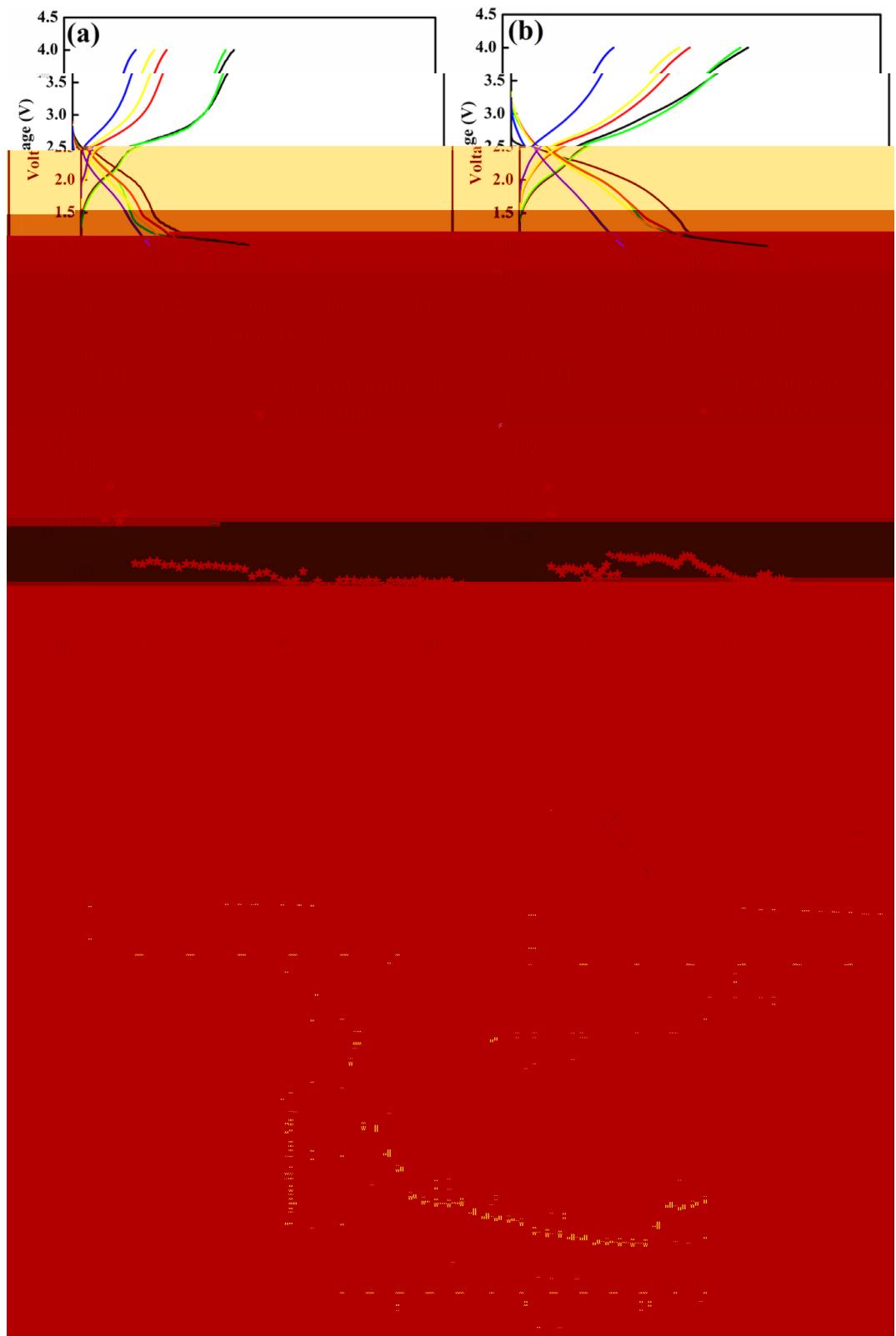


Fig. 5. Discharge voltage profiles and capacity vs. cycle number for various battery configurations: (○) F₃•0.33H₂; (●) F₃•0.33H₂ / C; (▲) F₃•0.33H₂ / C 0.1 C; (○) L; (●) F₃•0.33H₂ / C 1 C; (▲) F₃•0.33H₂ / C 1 C; (○) D; (●) F₃•0.33H₂ / C 1 C; (▲) F₃•0.33H₂ / C 1 C.

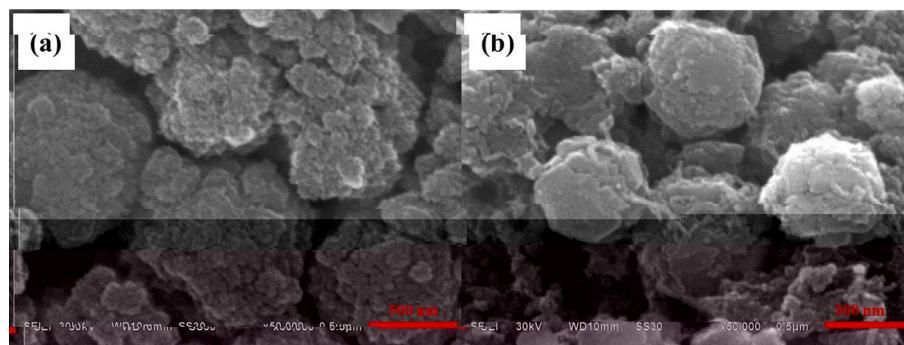


Fig. 6. E () $F_3 \cdot 0.33H_2$ () $F_3 \cdot 0.33H_2 / C$ 50 0.1 C.

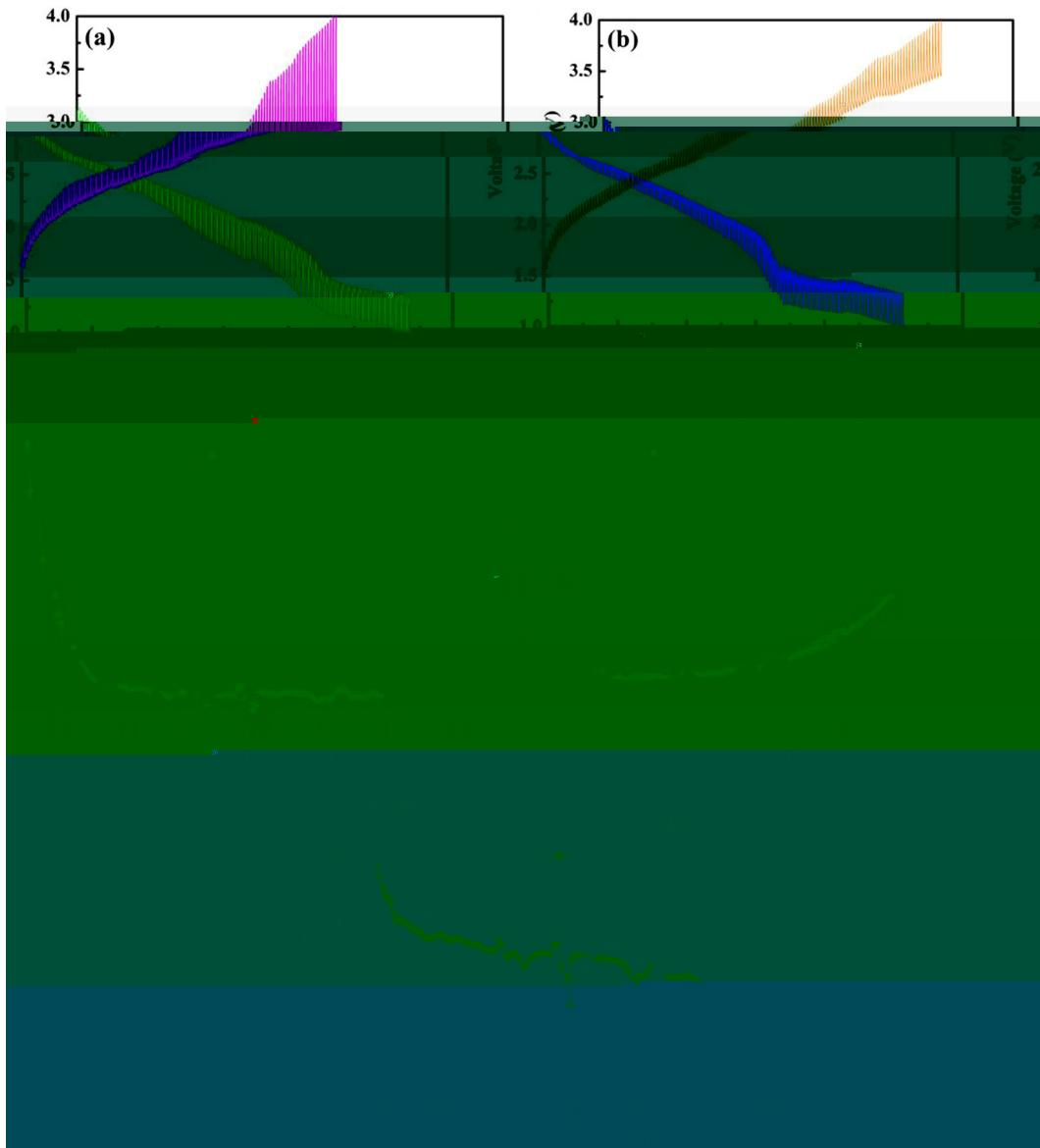


Fig. 7. GI () $F_3 \cdot 0.33H_2$ () $F_3 \cdot 0.33H_2 / C$ 1.0 4.0 () $/ \cdot \cdot \cdot / ^{1/2} \cdot \cdot \cdot ()$
 $F_3 \cdot 0.33H_2$ () $F_3 \cdot 0.33H_2 / C$ A () $F_3 \cdot 0.33H_2$ 2.7×10^{14} 6.5×10^{10} 2 10
 25 :

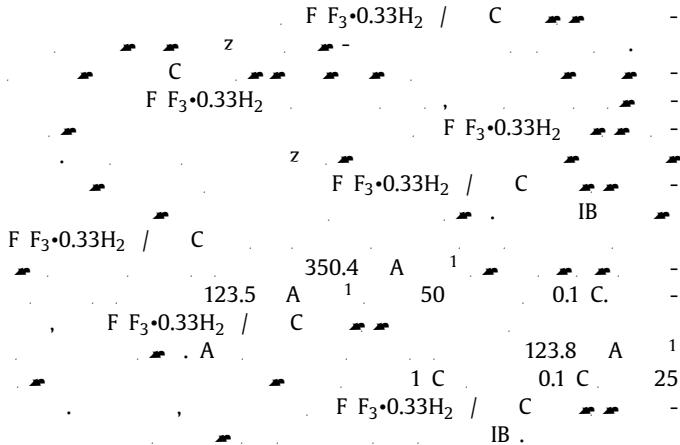
$$= \frac{4}{\pi} \left[l_0 \right]^2 \left[\frac{l/l^{1/2}}{l/l^{1/2}} \right]^2, \quad \ll \frac{l^2}{l^2} \quad (3)$$

F F₃•0.33H₂ / C

B

F F₃•0.33H₂ / C

68

4. Conclusions**Acknowledgments**

F C (51272221), K
 L H
 (2016GK4005 2016GK4030).

Supplementary materials

:10.1016/j.jcp.2017.10.032.

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