

Supplementary Information

Electrochemical investigation of ion beam sputter deposited carbon thin films for Li-ion batteries

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Content

Supporting figures Fig.S1, Fig.S2 and Fig.S3

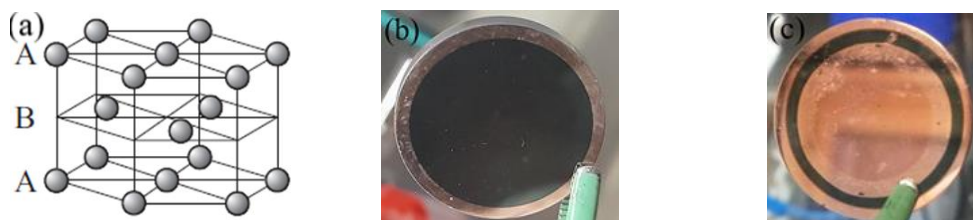


Fig. S1 (a) Sketch of the hexagonal close-packed (hcp) (ABAB...) stacking of carbon atomic planes. The grey balls represent the C atoms. Photographs of (b) an as-deposited, and (c) 530 times cycled 230 nm carbon film after a PC and acetonitrile washing procedure.

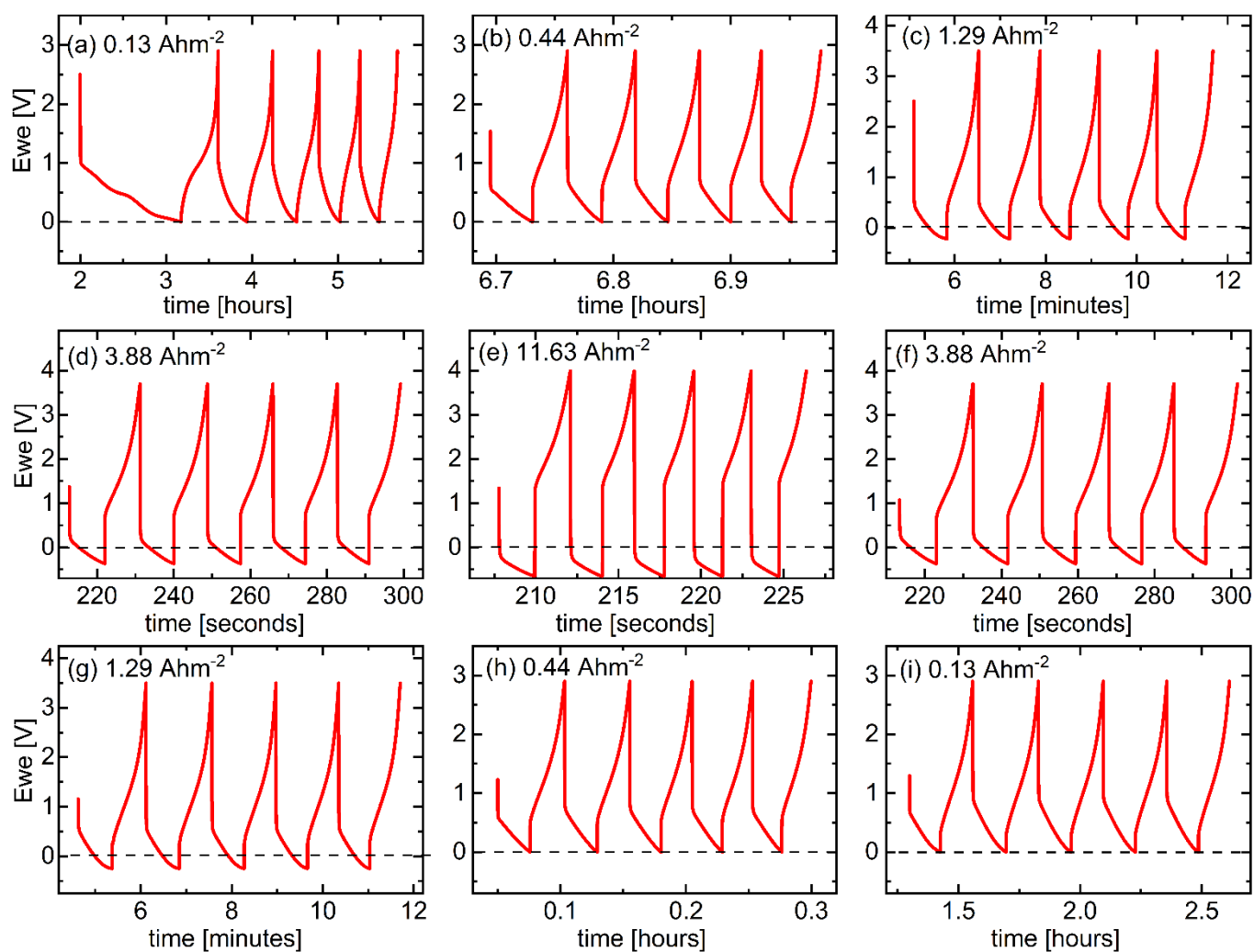


Fig. S2 Constant current potential profiles measured during the cycling protocol of Fig.2b for the electrode with 16 nm thin carbon film for (a-e) ascending current densities, and (e-i) descending current densities.

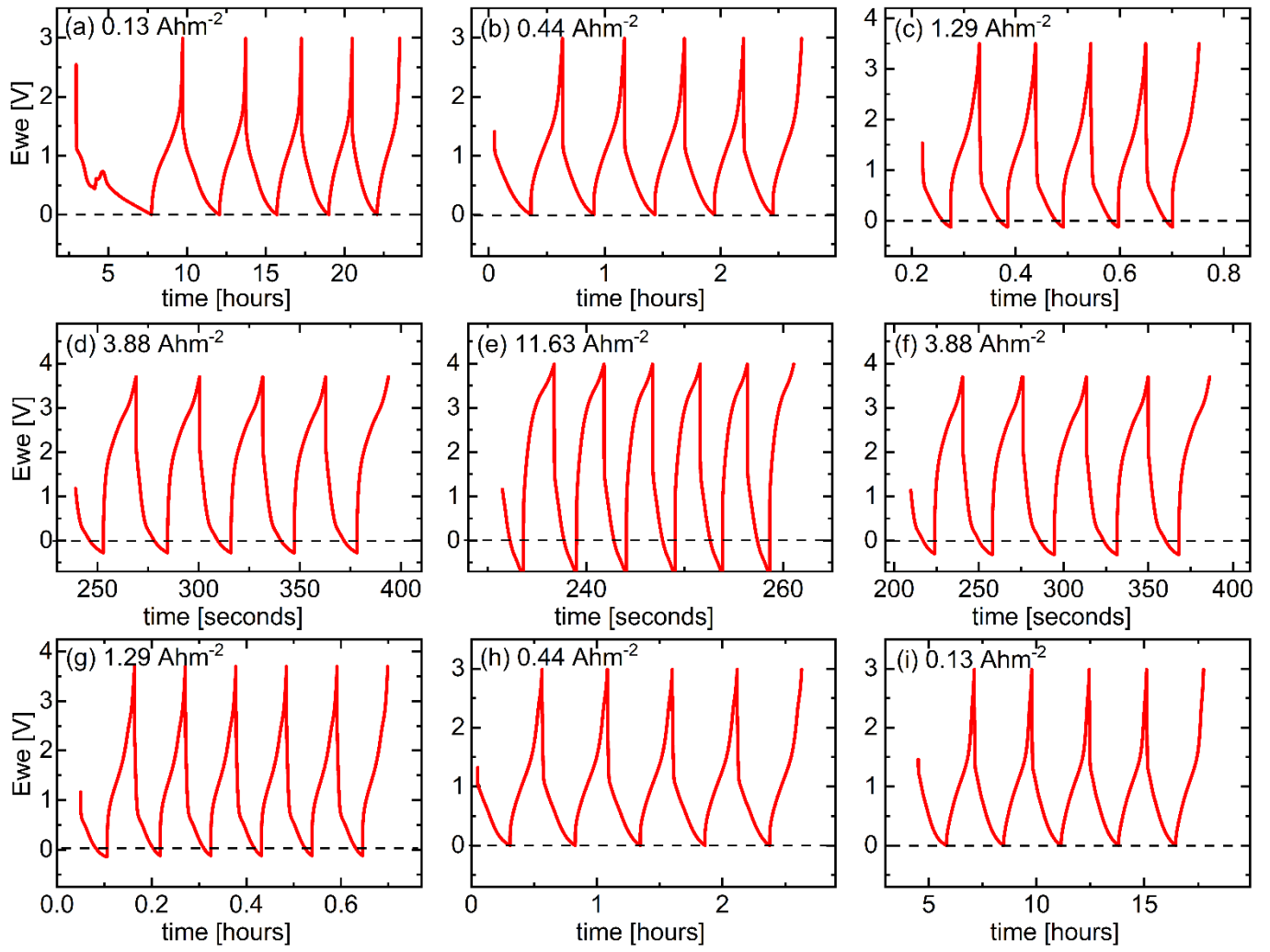


Fig. S3 Constant current potential profiles measured during the cycling protocol of Fig.2b for the electrode with 230 nm thin carbon film for (a-e) ascending current densities, and (e-i) descending current densities.