

Si doped T-graphene: a 2D lattice as an anode electrode in Na ion secondary batteries

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Fig. S1: Three diffusion pathways have been marked for diffusion of Na ion across the t-SiC₃ monolayer. Pathways along with energy barrier for Path 1 and Path 2 are shown below:

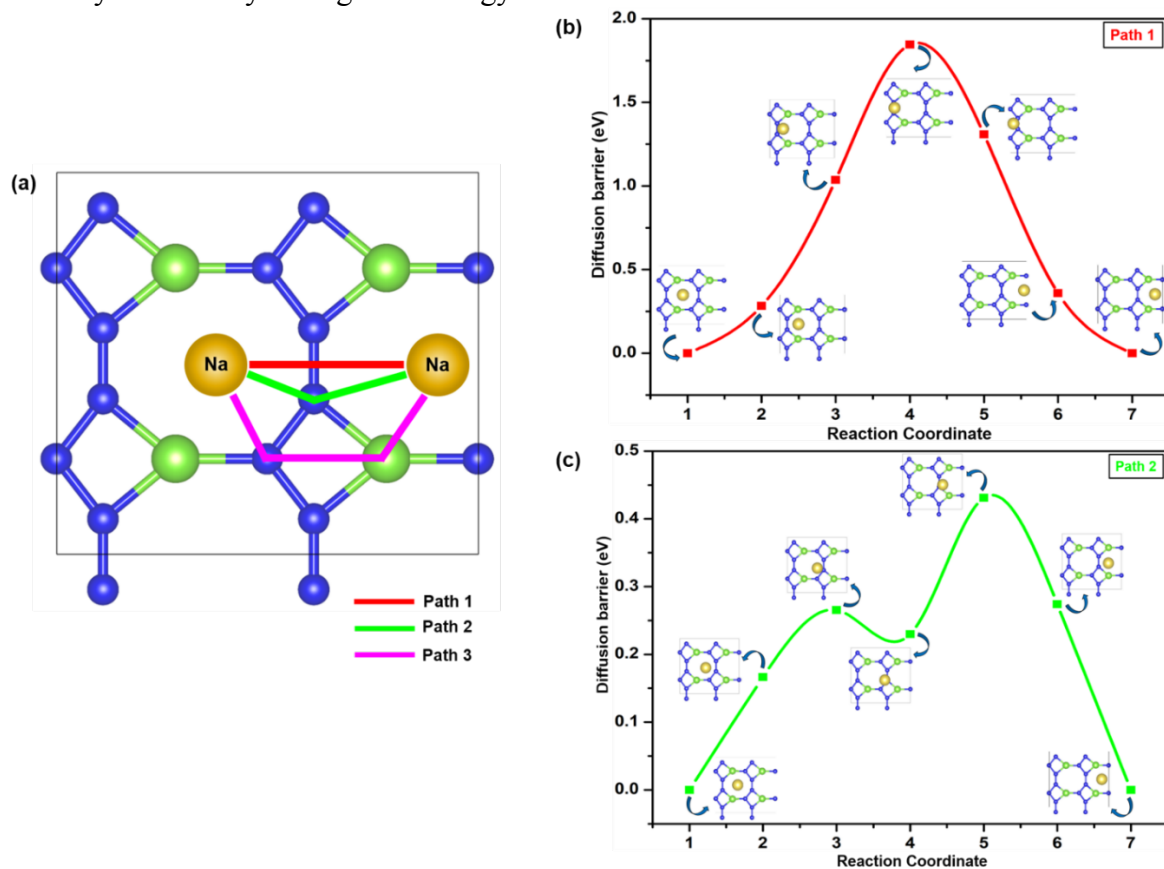


Fig. (a) Diffusion pathways for migration of Na ion across t-SiC₃ monolayer (b) Energy barrier profile for Path 1 (c) Energy barrier profile for Path 2

Fig. S2: The stepwise formation of layer 1, layer 2, layer 3 and layer 4 has been shown below to evaluate the storage capacity.

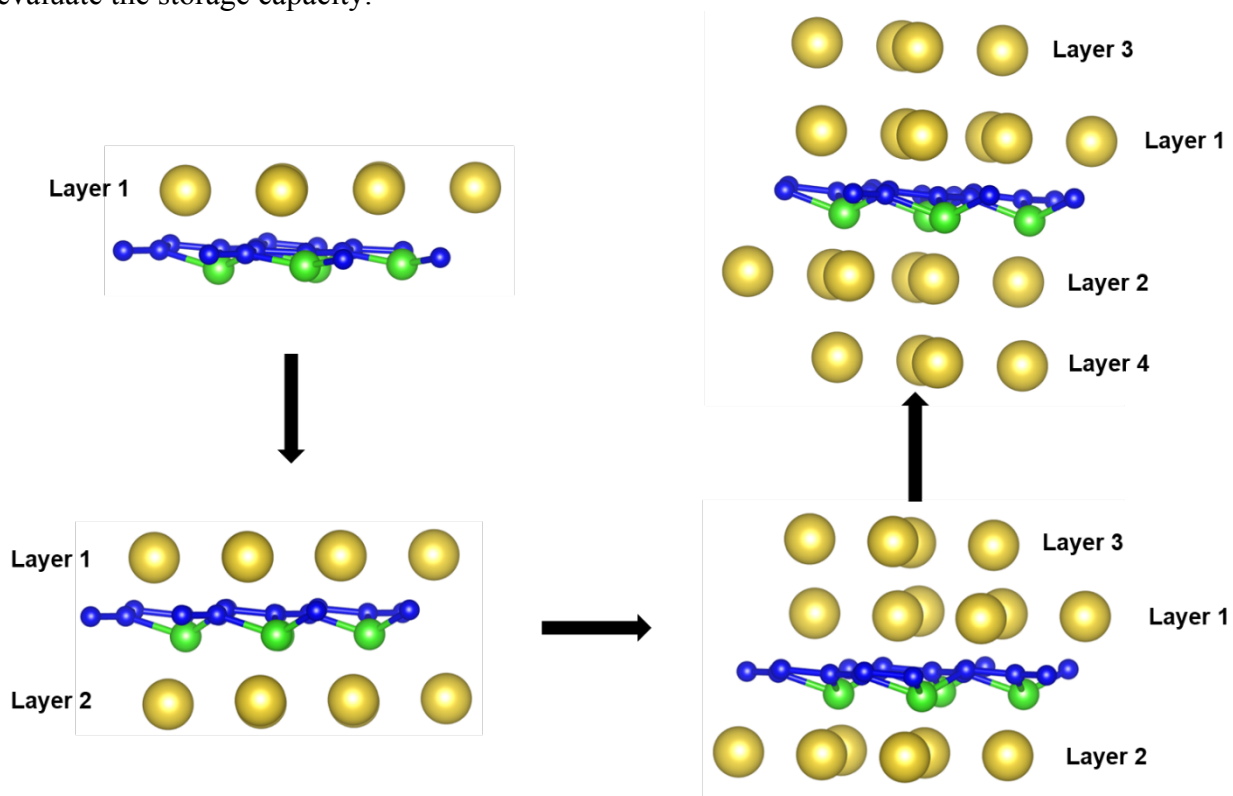


Fig. Stepwise formation of layer 1, layer 2, layer 3 and layer 4