

Electronic Supporting Information
for

Room-Temperature Metal-Free Ferromagnetism, Stability, as well as Spin Transport
Property in Topologically Fluorinated Silicon Carbide Nanotube

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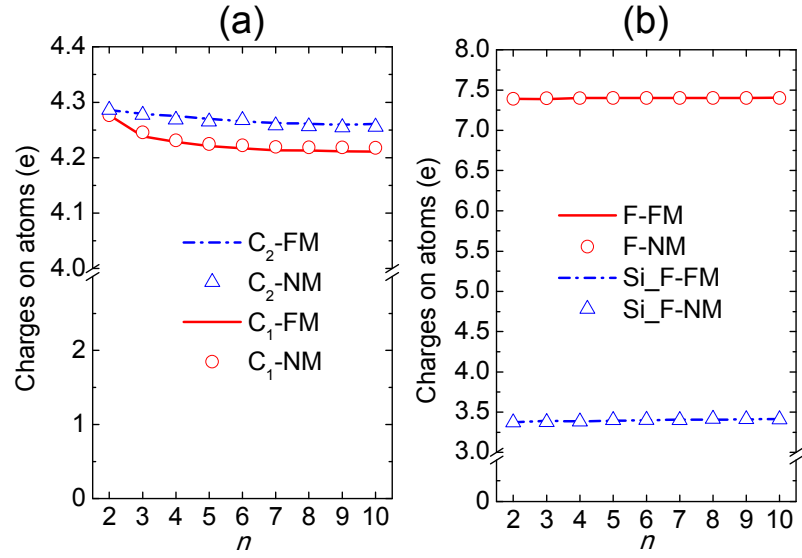


FIG. 1: (color online) The charges on each C_1 , C_2 , Si_F , and F atom of $F-Si(n,n)SWSiCNT$ in NM state, as well as in FM states, as a function of n . (a) on each C_1 and C_2 atom, and (b) on each Si_F and F atom.

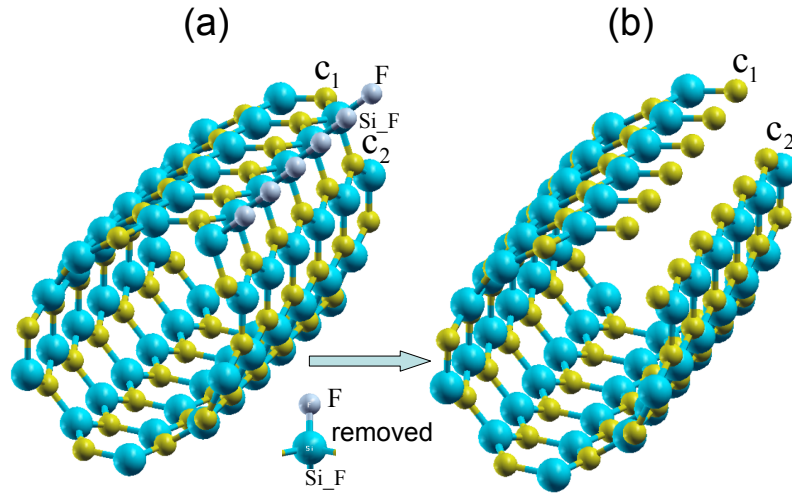


FIG. 2: (color online) Geometric structures of $F-Si(5,5)SWSiCNT$ and $-(5,5)SWSiCNT$. (a) geometric structure of $F-Si(5,5)SWSiCNT$. (b) geometric structure of $-(5,5)SWSiCNT$ that F and Si_F atoms have been removed, namely geometric structure of "curved 9-ZSiC NR".