Supporting Information

Electron Transfer Processes in Metal-Free Tetraferrocenylporphyrin.

Understanding Internal Interactions to Access Mixed-Valence States Potentially

Useful for Quantum Cellular Automata

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Supporting Information Figure 1. Spectroelectrochemical formation of neutral H₂TFcP from oxidized forms.



Supporting Information Figure 2. Formation of the neutral H_2TFcP from $[H_2TFcP]^+$ (top) and $[H_2TFcP]^{3+}$ (bottom).



Supporting Information Figure 3. IR spectrum of H_2TFcP predicted by DFT at B3LYP/6-31G(d) level.

Supporting Information Figure 4. IR displacement vectors of selected vibrational modes (76,77,11,113,115,116,136-140,170,171,174,175) of H₂TFcP predicted by DFT at the B3LYP/6-31G(d) level





























