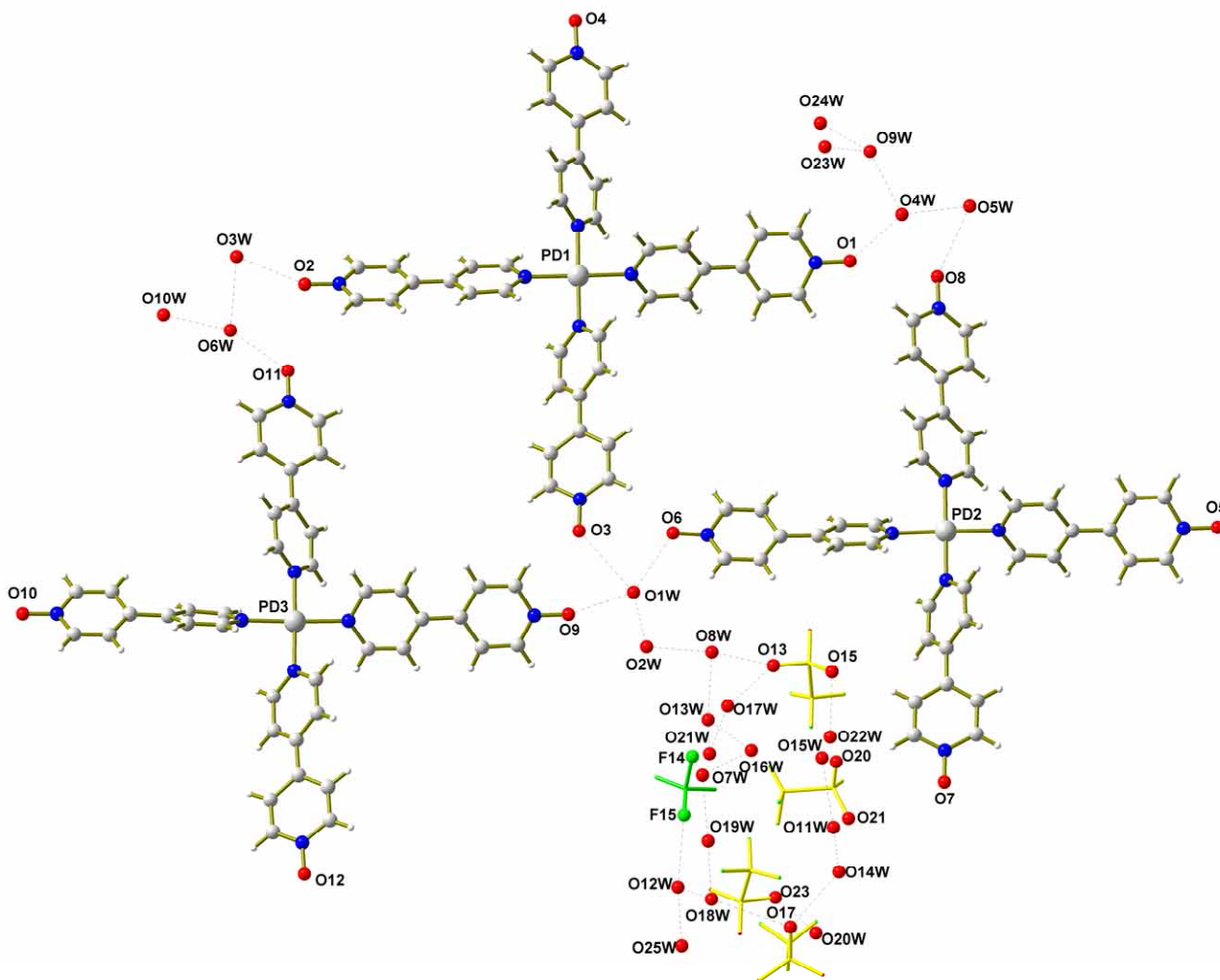
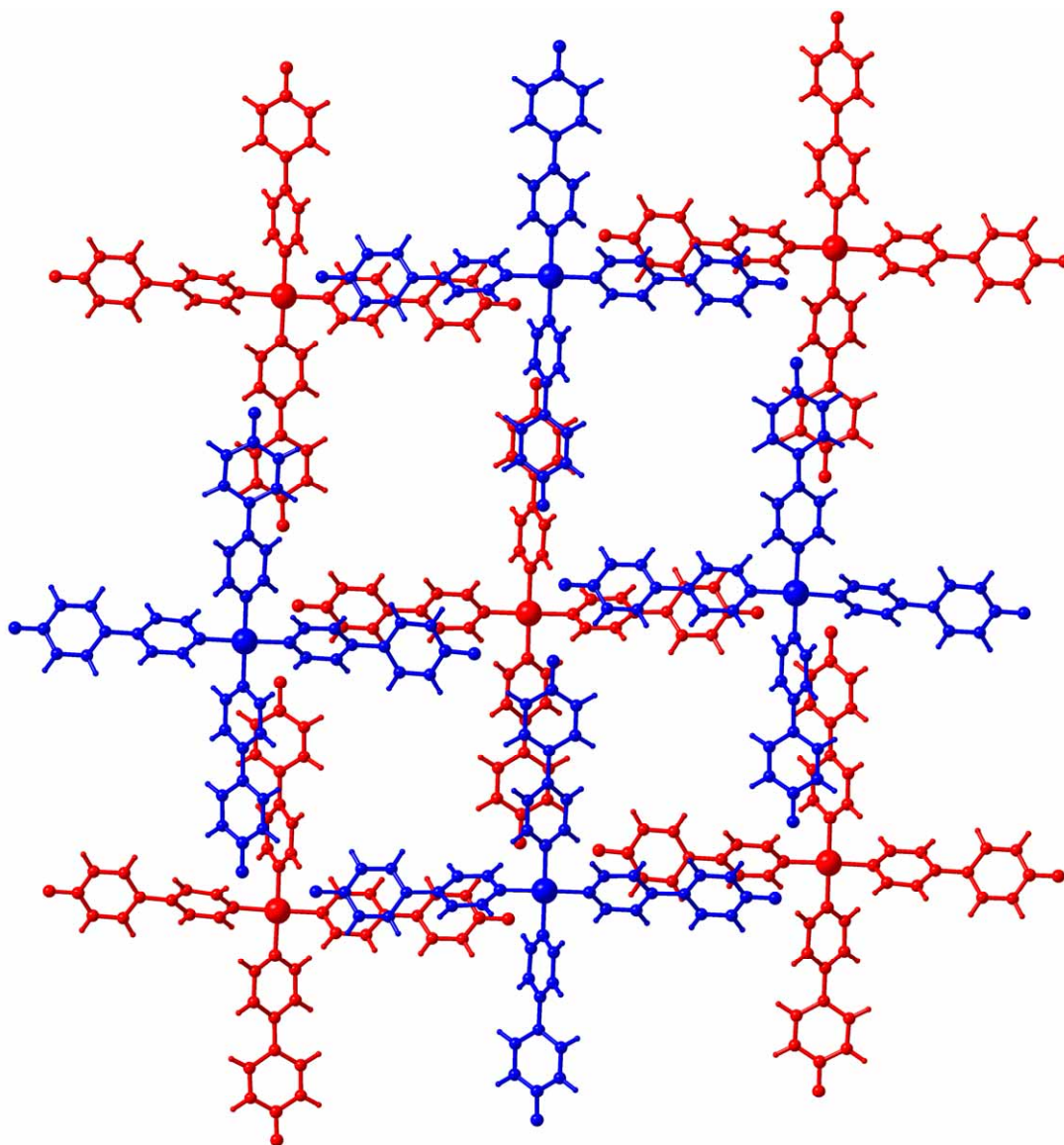


**Figure S-1:**  $[\text{Pd}(\text{BIPYMO})_4]_3[\text{OTf}]_4[\text{BF}_4]_2$



**Figure S-2:** Full packing arrangement of in-plane cations, anions and water molecules for  $[\text{Pd}(\text{BIPYMO})_4]_3[\text{OTf}]_4[\text{BF}_4]_2$



**Figure S-3:** A packing diagram for  $[\text{Pd}(\text{BIPYMO})_4]_3[\text{OTf}]_4[\text{BF}_4]_2$  showing how two layers (red and blue molecules) are organized with respect to each other.