

Electronic Supplementary Information for

**Heterogeneous hydrosilylation reaction catalysed by platinum complexes
immobilized on bipyridine-periodic mesoporous organosilicas**

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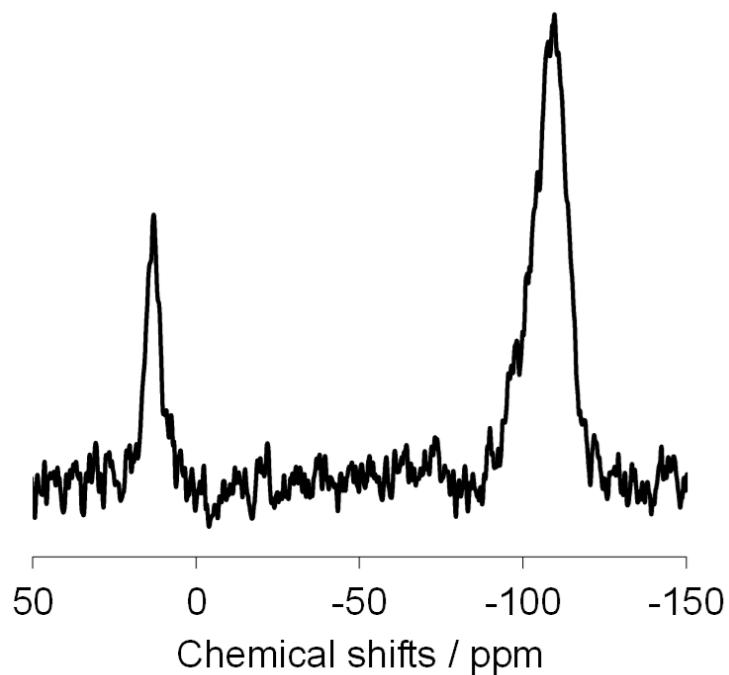


Figure S1. ^{29}Si DD-MAS NMR spectra of $\text{PtMe}_2(\text{BPy-C}_4\text{-FSM-16})$ (**3a**).

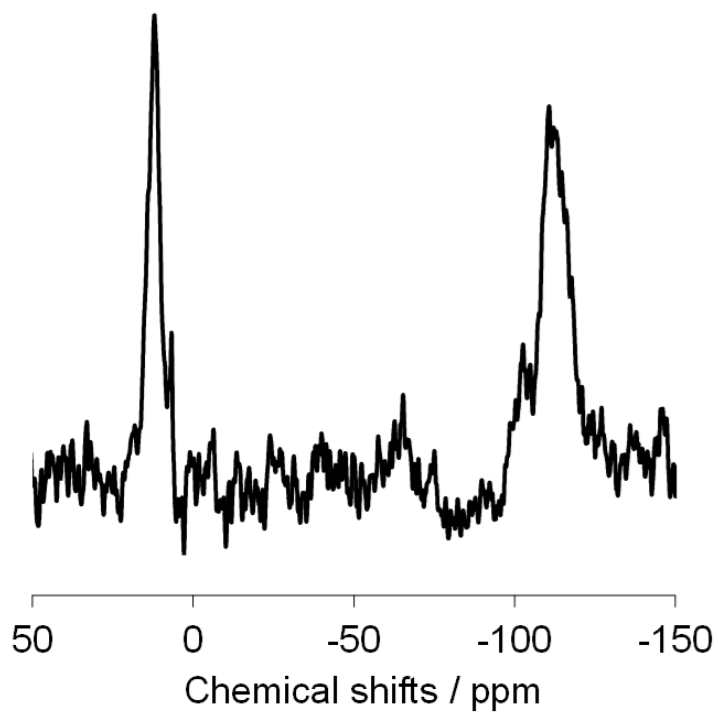


Figure S2. ^{29}Si DD-MAS NMR spectra of $\text{PtMe}_2(\text{BPy-C}_4\text{-Silica gel})$ (**3b**).

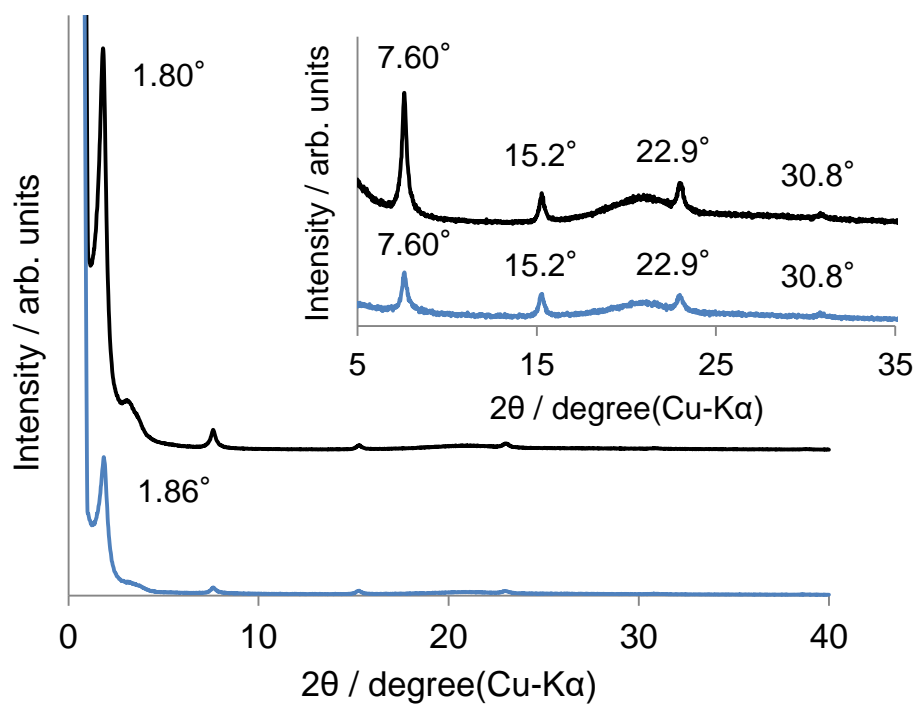


Figure S3. XRD patterns of PtMe₂(BPy-PMO) (1, blue line) and BPy-PMO (black line).

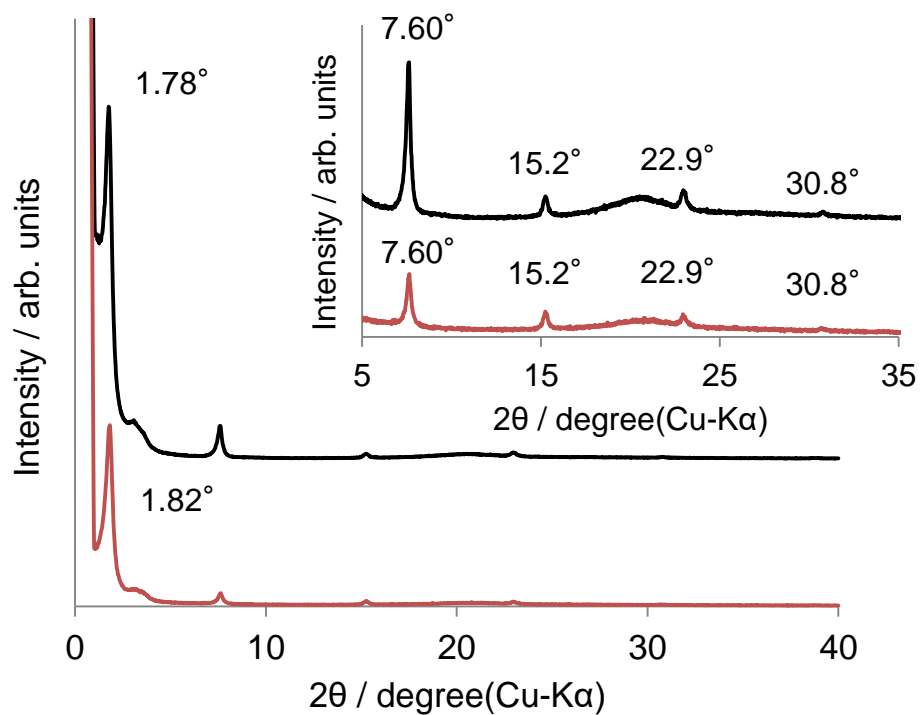


Figure S4. XRD patterns of PtMe₂(BPy-PMO-TMS) (2, red line) and BPy-PMO-TMS (black line).

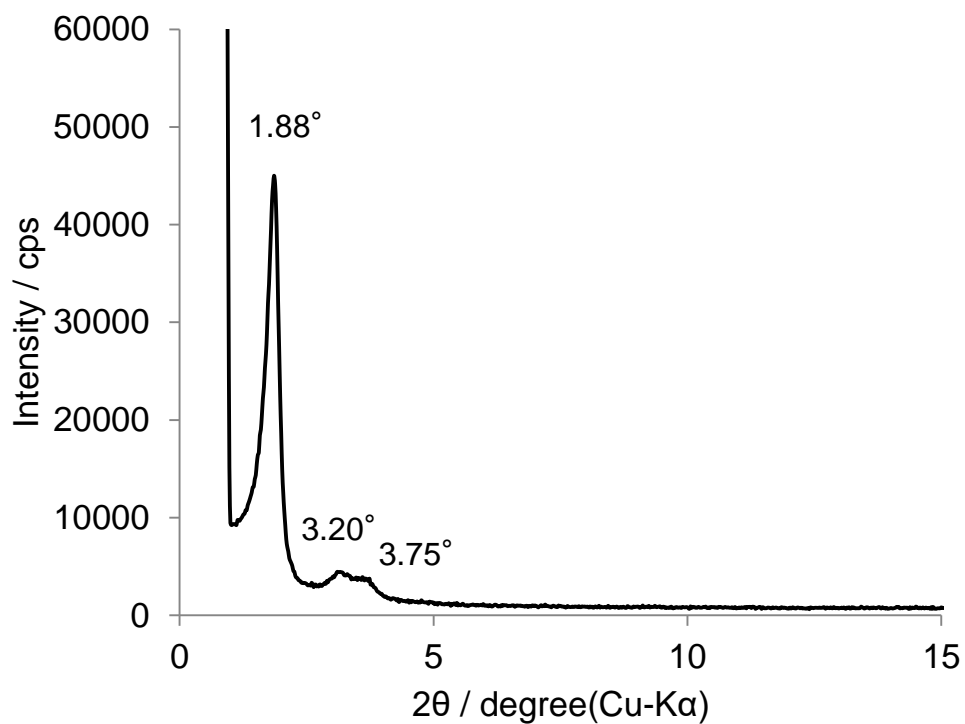


Figure S5. XRD pattern of PtMe₂(BPy-C₄-FSM-16) (**3a**).

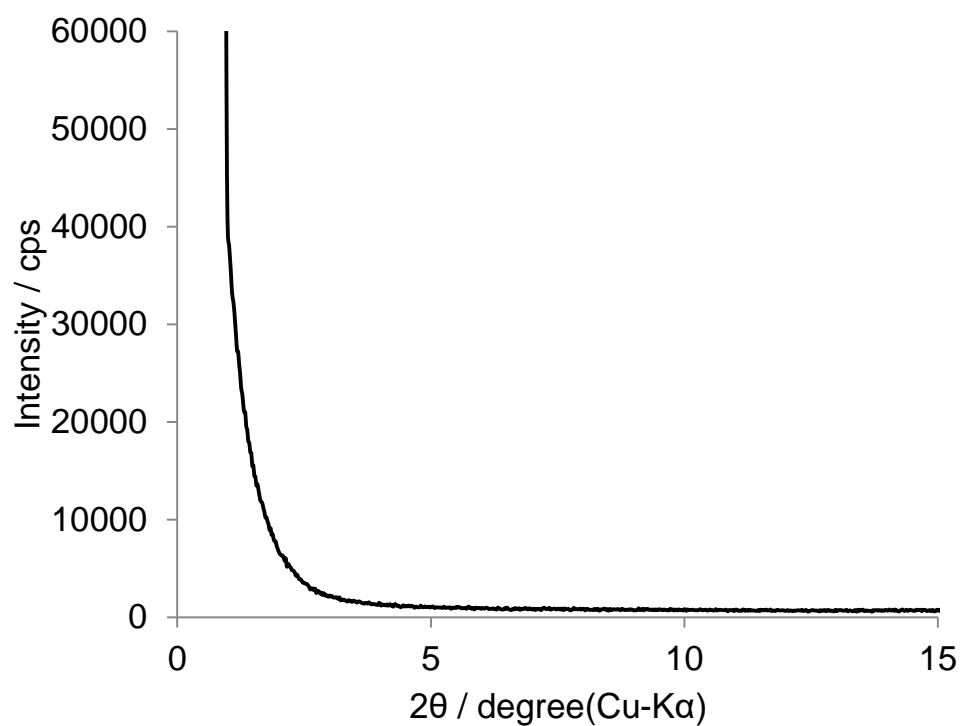


Figure S6. XRD pattern of PtMe₂(BPy-C₄-Silica gel) (**3b**).

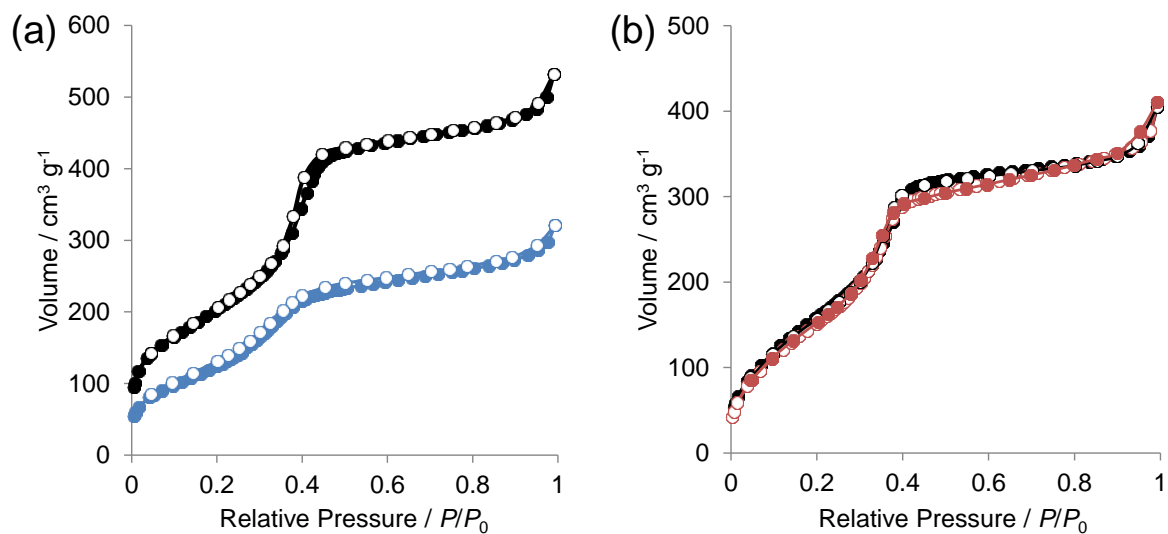


Figure S7. Nitrogen adsorption/desorption isotherms of (a) PtMe₂(BPy-PMO) (**1**, blue line) and BPy-PMO (black line), and (b) PtMe₂(BPy-PMO-TMS) (**2**, red line) and BPy-PMO-TMS (black line).

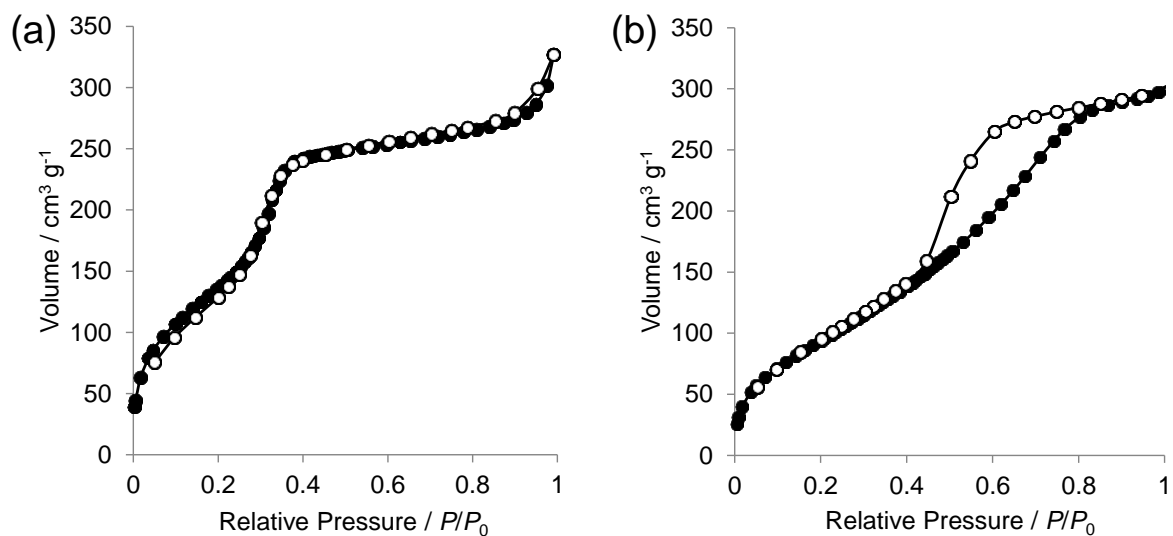


Figure S8. Nitrogen adsorption/desorption isotherms of (a) PtMe₂(BPy-C₄-FSM-16) (**3a**) and (b) PtMe₂(BPy-C₄-Silica gel) (**3b**).

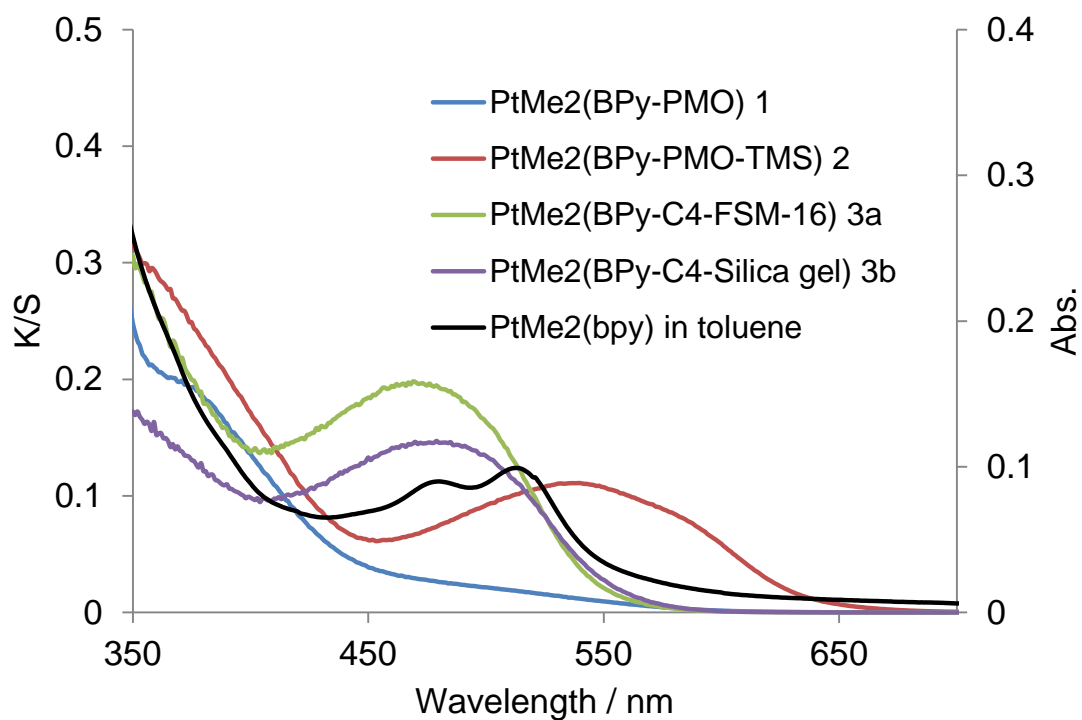


Figure S9. UV-vis diffuse reflectance spectrum of complex **1**, **2**, **3a** and **3b**, and UV-vis absorption spectrum of PtMe₂(bpy).

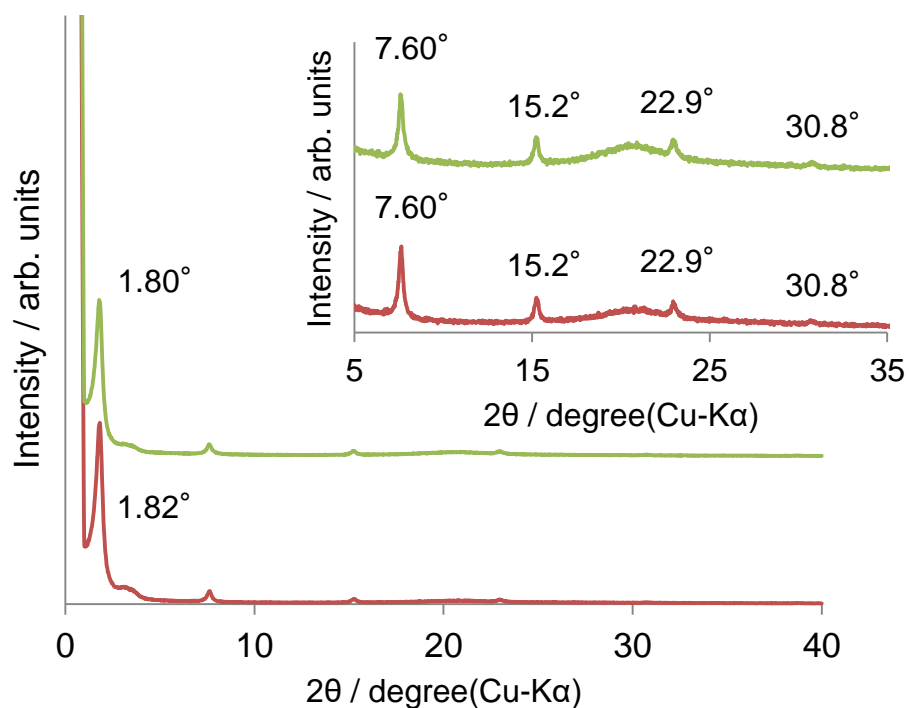


Figure S10. XRD patterns of PtMe₂(BPy-PMO-TMS) (**2**) before (red line) and after 5th reactions (green line).

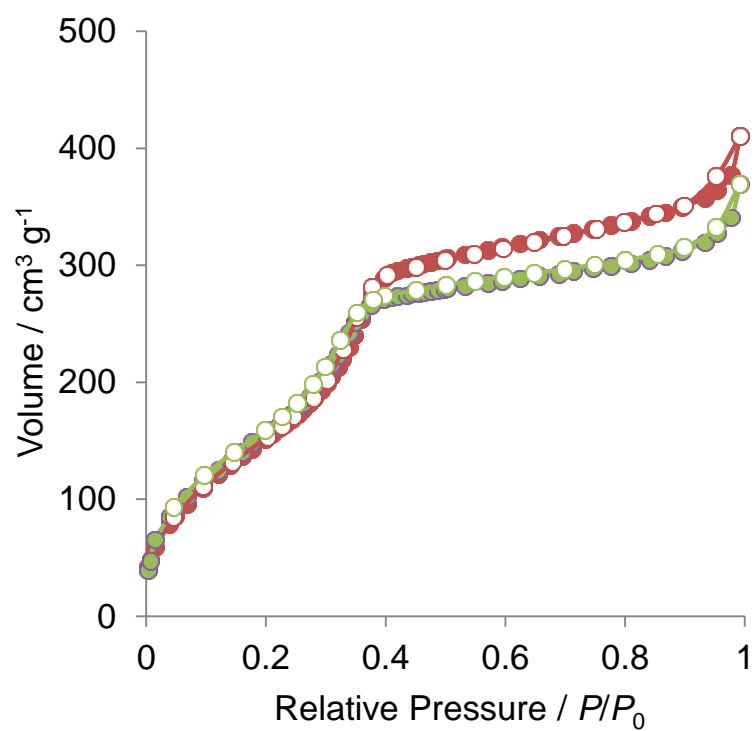


Figure S11. Nitrogen adsorption/desorption isotherms of PtMe₂(BPy-PMO-TMS) (**2**) before (red line) and after 5th reactions (green line).

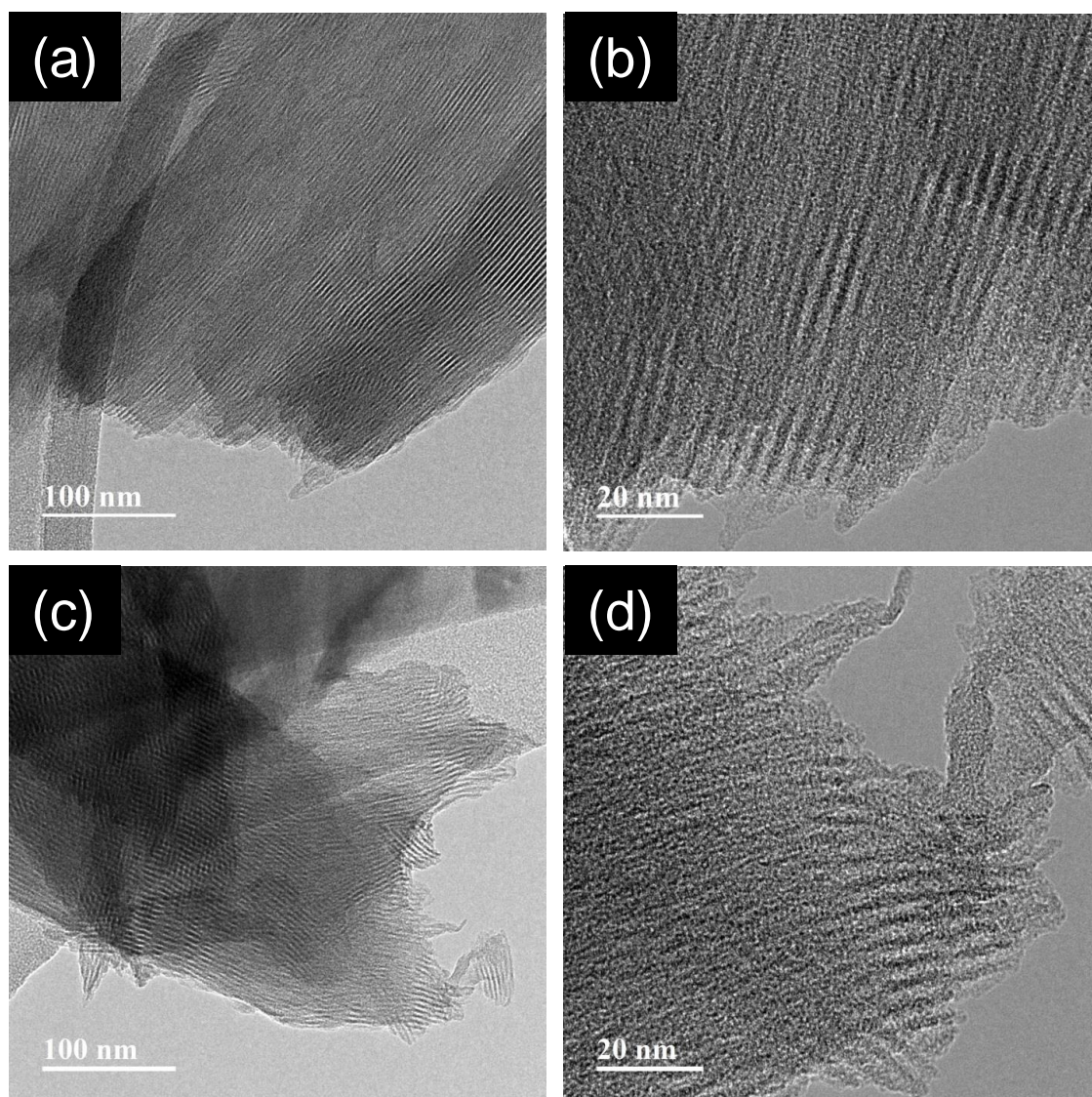


Figure S12. TEM images of PtMe₂(BPy-PMO-TMS) (**2**) (a, b) before and (c, d) after 5th reactions.