HOKKAIDO UNIVERSITY

Title	Ruthenium-Immobilized Periodic Mesoporous Organosilica: Synthesis, Characterization, and Catalytic Application for Selective Oxidation of Alkanes
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Figures:

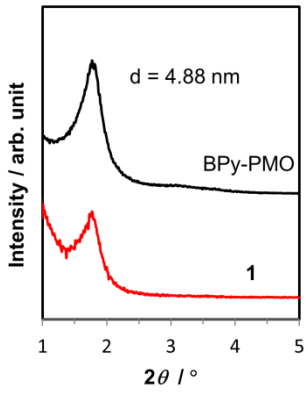


Figure S1. XRD patterns for **1** (red line) and BPy-PMO (black line).

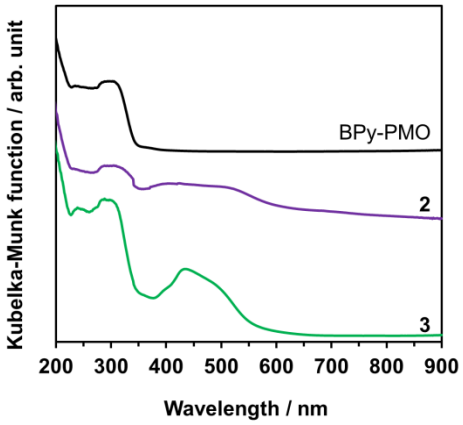


Figure S2. UV-vis DRS spectra of BPy-PMO (black), **2** (purple), and **3** (green).

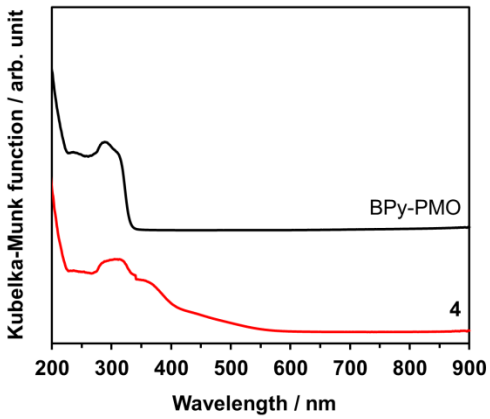


Figure S3. UV-vis DRS spectra of MCM-41 bearing BPy groups (black) and **4** (red).

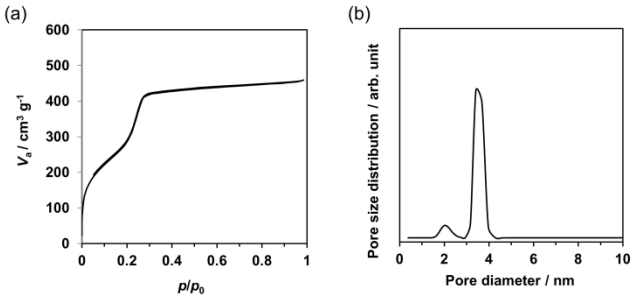


Figure S4. (a) N_2 adsorption isotherm and (b) NLDFT pore diameter distribution for MCM-41 bearing BPy groups at 77 K.

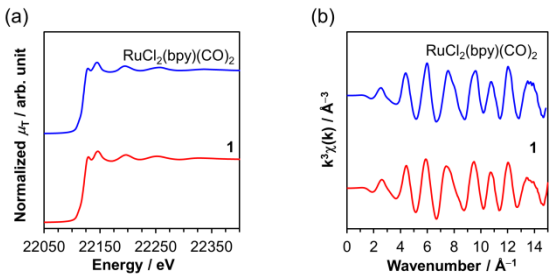


Figure S5. (a) Ru K-edge EXAFS spectra and (b) EXAFS oscillation for **1** (red) and $RuCl_2(bpy)(CO)_2$ (blue).

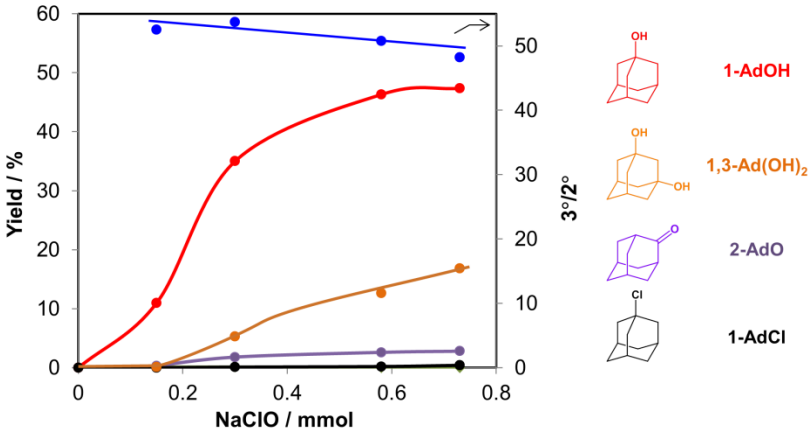


Figure S6. Time-course for the oxidation of adamantane over catalyst **1**.

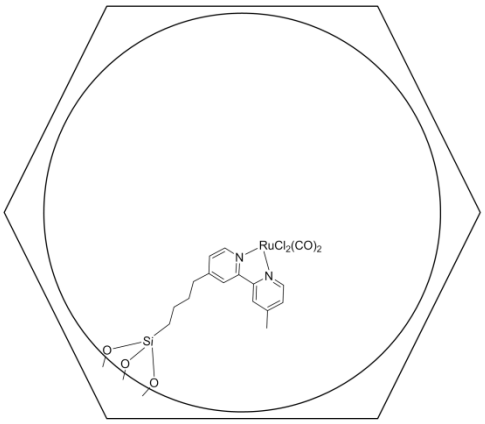


Figure S7. Structure of **4**.