

Supporting information on: Influence of Tin Loading and Pore Size of Sn/MCM-41 Catalysts on the Synthesis of Nopol

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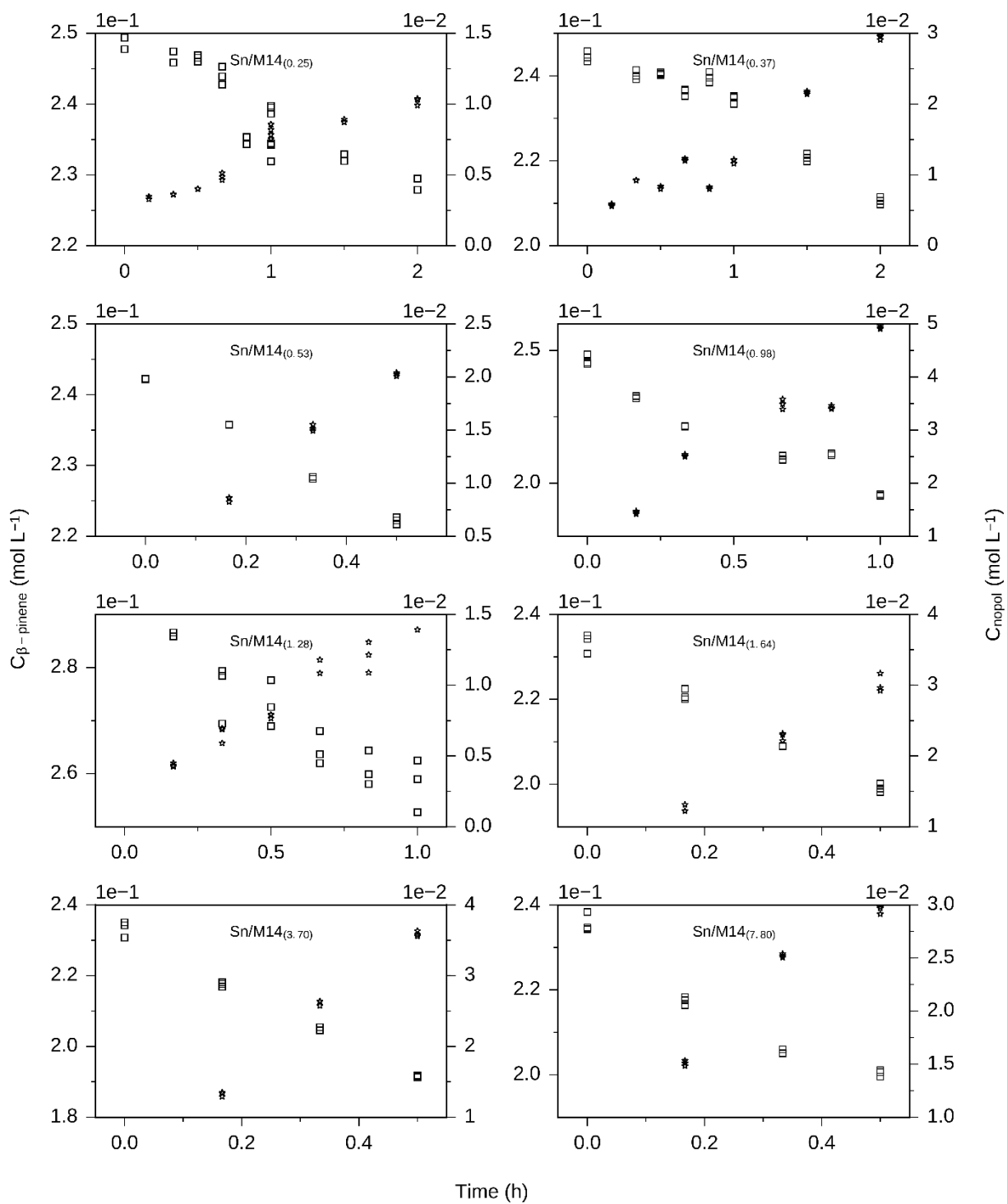


Figure S1. Concentration vs. time data for Sn/M14 materials. Squares: β -pinene, stars: nopropyl.

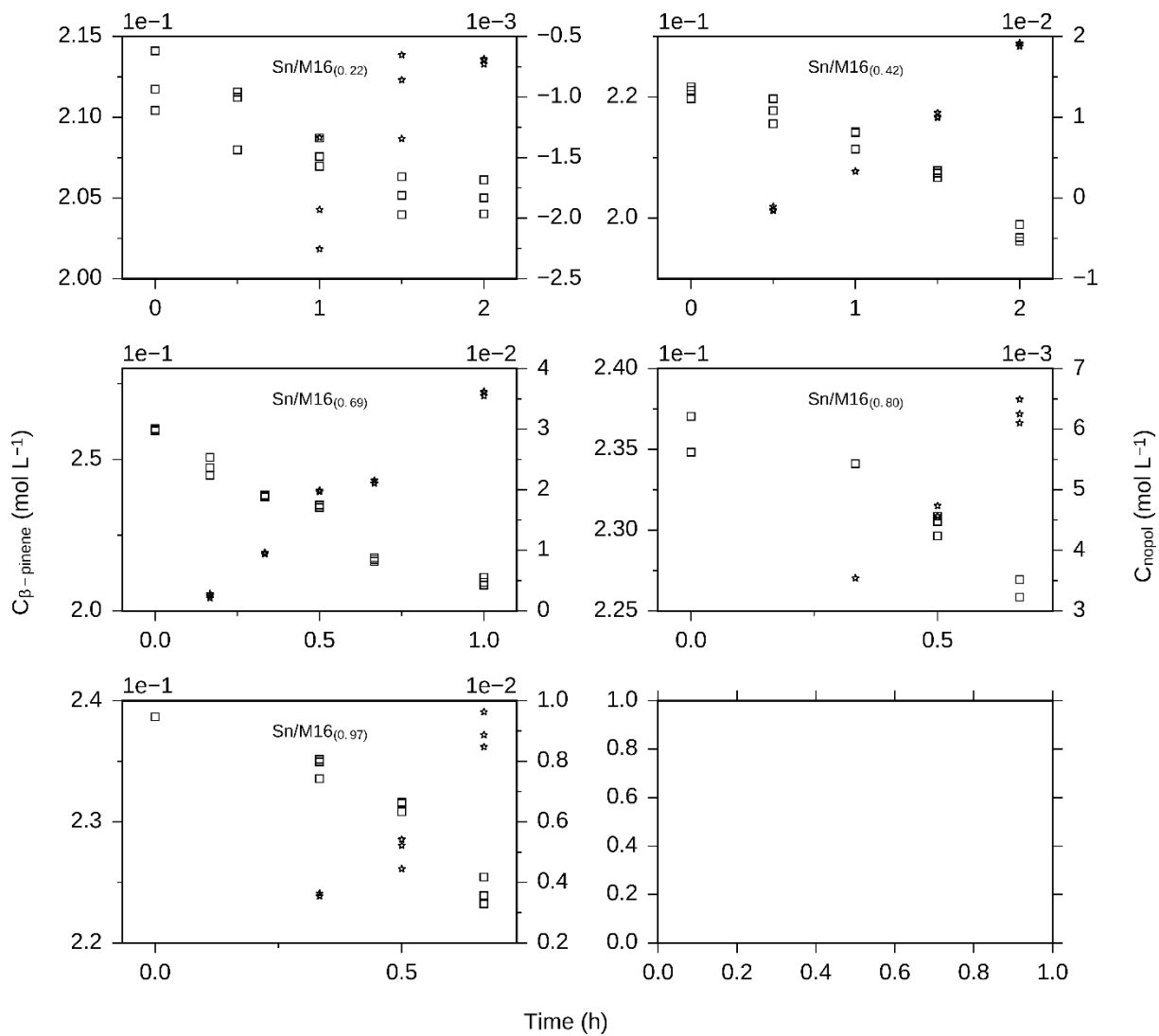


Figure S2. Concentration vs. time data for Sn/M16 materials. Squares: β -pinene, stars: nopol.

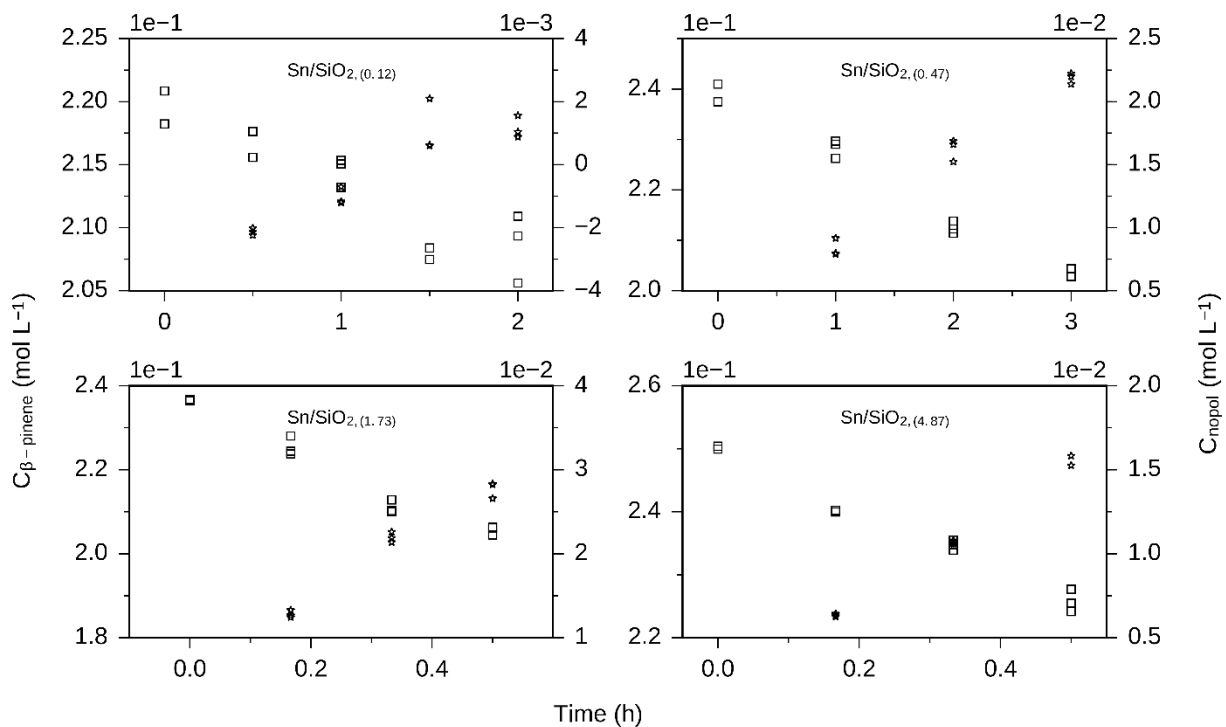


Figure S3. Concentration vs. time data for Sn/SiO₂ materials. Squares: β -pinene, stars: nopol.

Table S1. Activity data for all tested materials. Coefficient of linear determination (R^2) is provided for all rates.

Sample	r_A (mol h ⁻¹ g _{cat} ⁻¹)	SD- r_A (mol h ⁻¹ g _{cat} ⁻¹)	R^2_A	r_C (mol h ⁻¹ g _{cat} ⁻¹)	SD- r_C (mol h ⁻¹ g _{cat} ⁻¹)	R^2_C
Sn/M14 _(0.25)	0.0111	0.0010	0.8228	0.0041	0.0003	0.9028
Sn/M14 _(0.37)	0.0173	0.0011	0.9124	0.0125	0.0009	0.8988
Sn/M14 _(0.53)	0.0404	0.0008	0.9976	0.0353	0.0012	0.9919
Sn/M14 _(0.98)	0.0445	0.0029	0.9350	0.0358	0.0031	0.9130
Sn/M14 _(0.28)	0.0324	0.0036	0.8424	0.0117	0.0007	0.9546
Sn/M14 _(1.64)	0.0689	0.0022	0.9896	0.0529	0.0027	0.9820
Sn/M14 _(3.70)	0.0828	0.0021	0.9935	0.0679	0.0022	0.9926
Sn/M14 _(7.80)	0.0708	0.0060	0.9336	0.0434	0.0038	0.9481
Sn/M16 _(0.22)	0.0038	0.0005	0.8035	0.0011	0.0003	0.6846
Sn/M16 _(0.42)	0.0115	0.0009	0.9315	0.0136	0.0006	0.9809
Sn/M16 _(0.69)	0.0509	0.0028	0.9548	0.0393	0.0017	0.9760
Sn/M16 _(0.80)	0.0137	0.0020	0.8820	0.0087	0.0007	0.9697
Sn/M16 _(0.97)	0.0232	0.0031	0.8738	0.0162	0.0019	0.9094
Sn/SiO ₂ _(0.12)	0.0059	0.0009	0.8271	0.0024	0.0003	0.8379
Sn/SiO ₂ _(0.47)	0.0124	0.0007	0.9764	0.0068	0.0004	0.9805
Sn/SiO ₂ _(1.73)	0.0594	0.0028	0.9722	0.0401	0.0020	0.9768
Sn/SiO ₂ _(4.87)	0.0471	0.0025	0.9788	0.0275	0.0007	0.9960

Sample	TOF _A (mol mol _{Sn} ⁻¹ s ⁻¹)	SD-TOF _A (mol mol _{Sn} ⁻¹ s ⁻¹)	TOF _C (mol mol _{Sn} ⁻¹ s ⁻¹)	SD-TOF _C (mol mol _{Sn} ⁻¹ s ⁻¹)
Sn/M14 _(0.25)	0.1460	0.0138	0.0545	0.0039
Sn/M14 _(0.37)	0.1561	0.0103	0.1127	0.0081
Sn/M14 _(0.53)	0.2514	0.0047	0.2195	0.0075
Sn/M14 _(0.98)	0.1498	0.0099	0.1203	0.0103
Sn/M14 _(0.28)	0.0838	0.0094	0.0302	0.0018
Sn/M14 _(1.64)	0.1384	0.0045	0.1064	0.0054
Sn/M14 _(3.70)	0.0738	0.0019	0.0605	0.0020
Sn/M14 _(7.80)	0.0300	0.0025	0.0183	0.0016
Sn/M16 _(0.22)	0.0575	0.0079	0.0170	0.0044
Sn/M16 _(0.42)	0.0912	0.0069	0.1081	0.0048
Sn/M16 _(0.69)	0.2430	0.0132	0.1875	0.0082
Sn/M16 _(0.80)	0.0565	0.0084	0.0357	0.0028
Sn/M16 _(0.97)	0.0787	0.0106	0.0552	0.0066
Sn/SiO ₂ (0.12)	0.0132	0.0019	0.0054	0.0007
Sn/SiO ₂ (0.47)	0.0073	0.0004	0.0040	0.0002
Sn/SiO ₂ (1.73)	0.0094	0.0004	0.0064	0.0003
Sn/SiO ₂ (4.87)	0.0053	0.0003	0.0031	0.0001

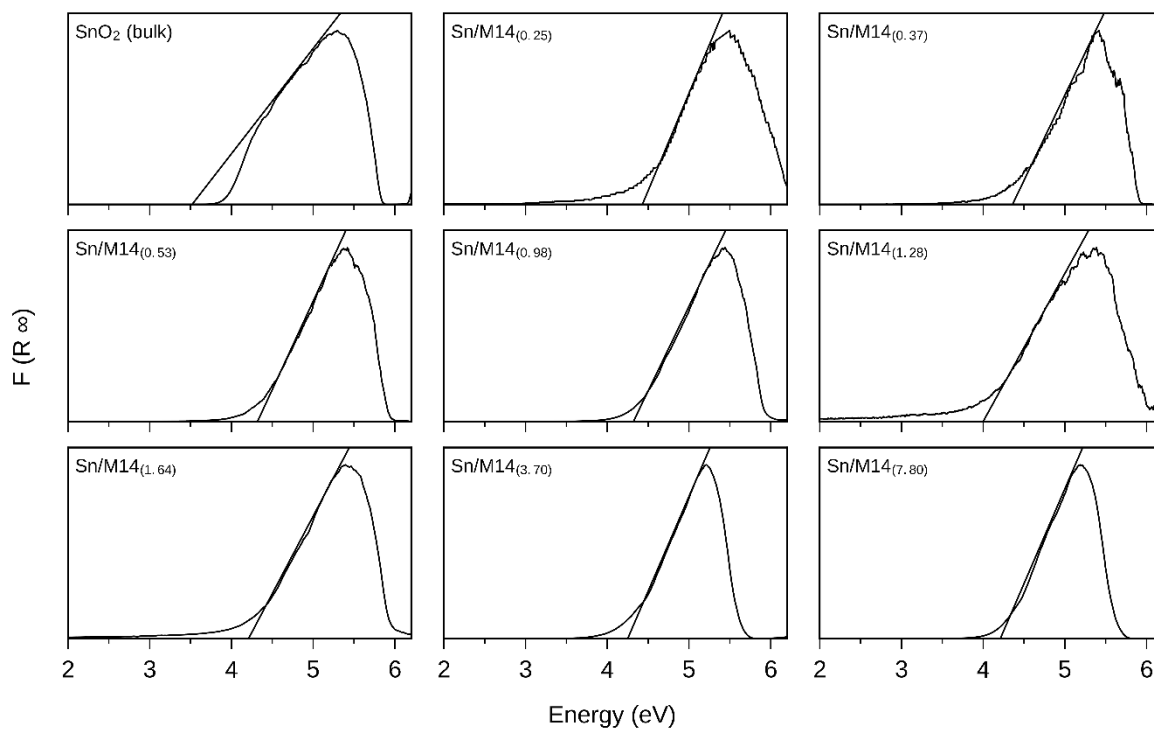


Figure S4. UV-vis spectra of Sn/M14 materials.

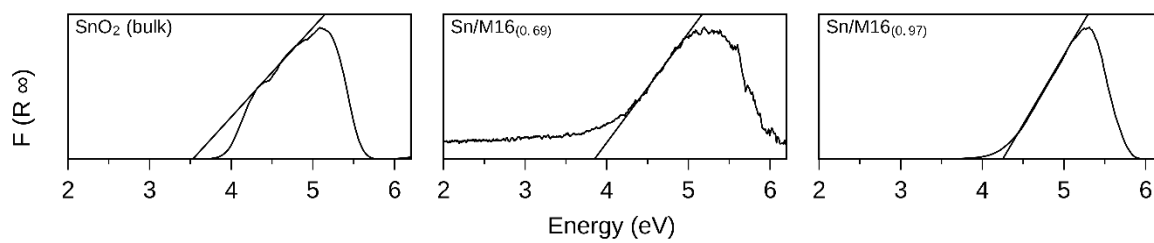


Figure S5. UV-vis spectra of Sn/M16 materials.

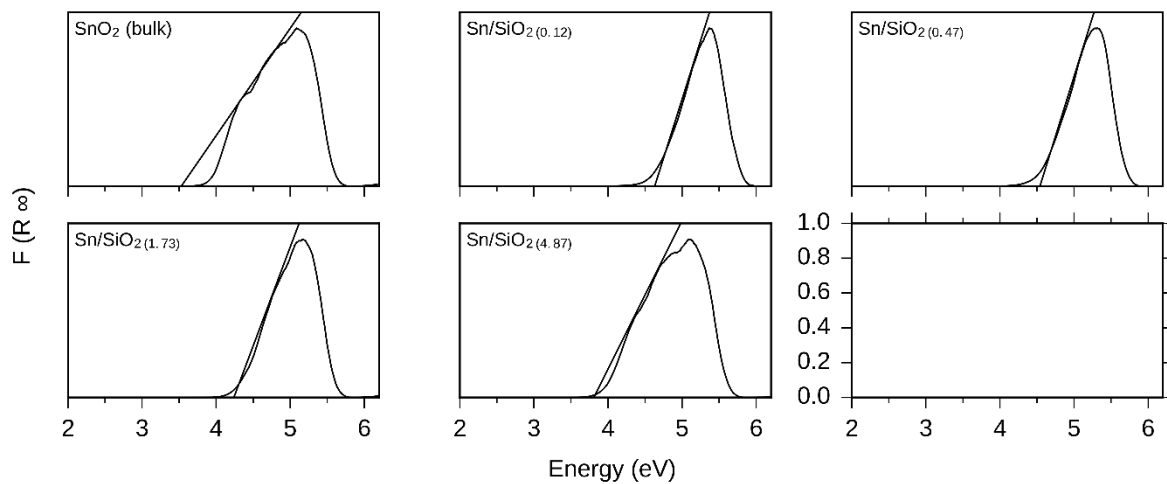


Figure S6. UV-vis spectra of Sn/SiO₂ materials.