

## Electronic Supporting Information

### Polymer *versus* phosphine stabilized Rh nanoparticles as components of supported catalysts: implication in the hydrogenation of cyclohexene model molecule

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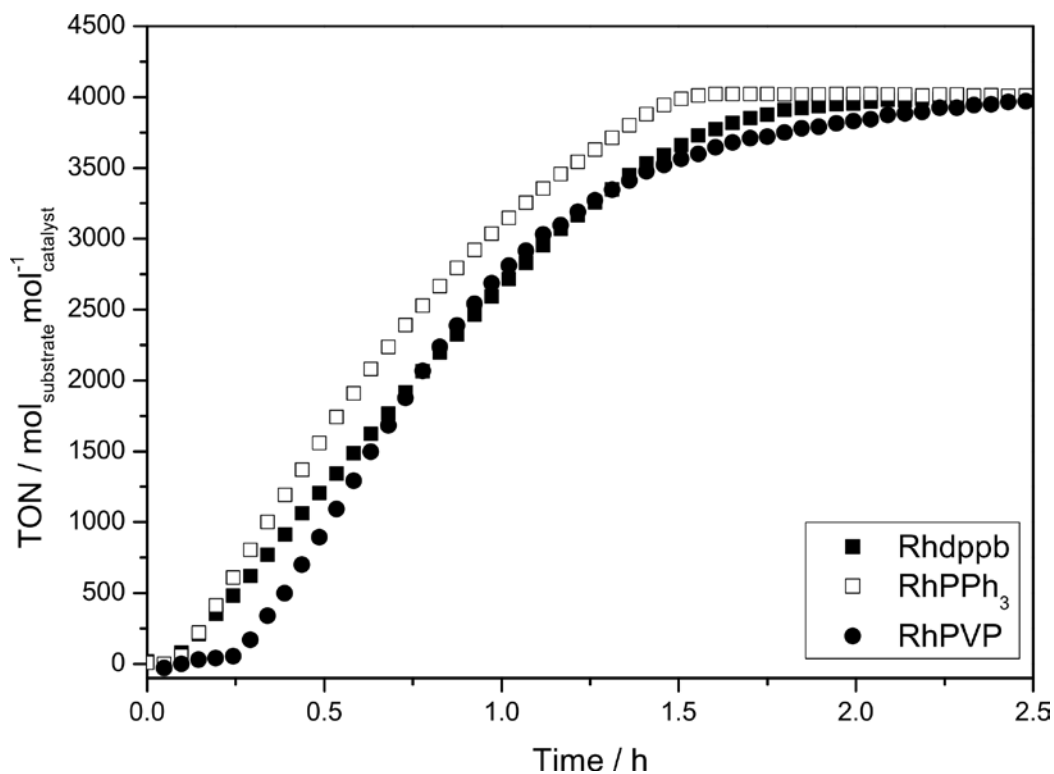
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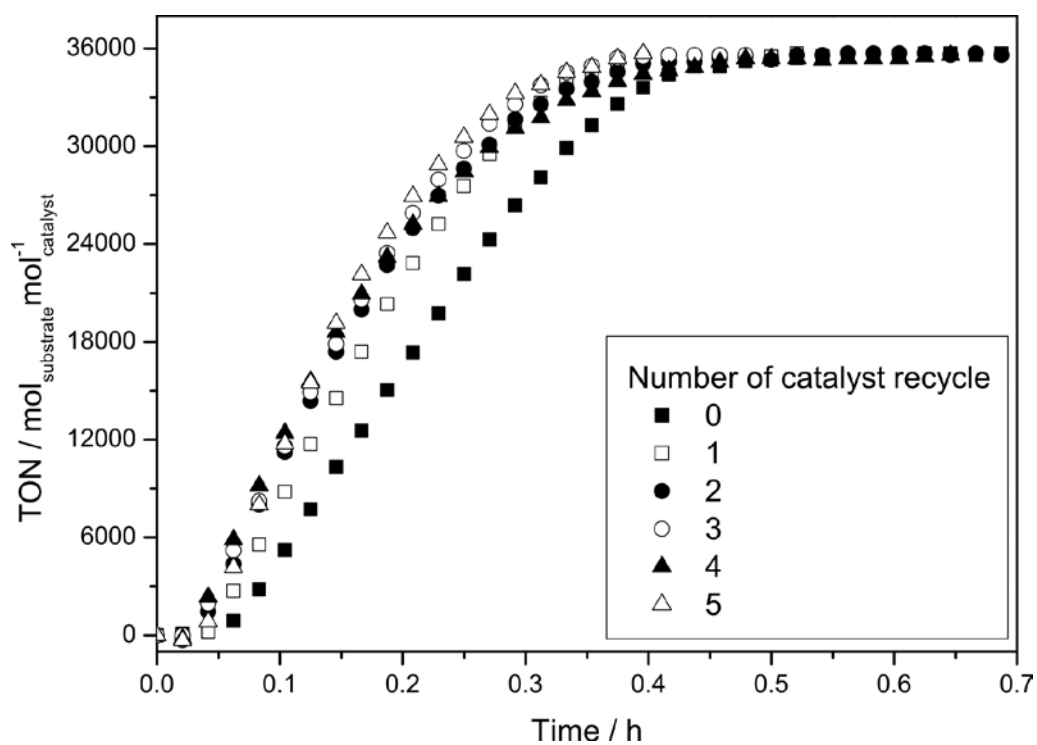
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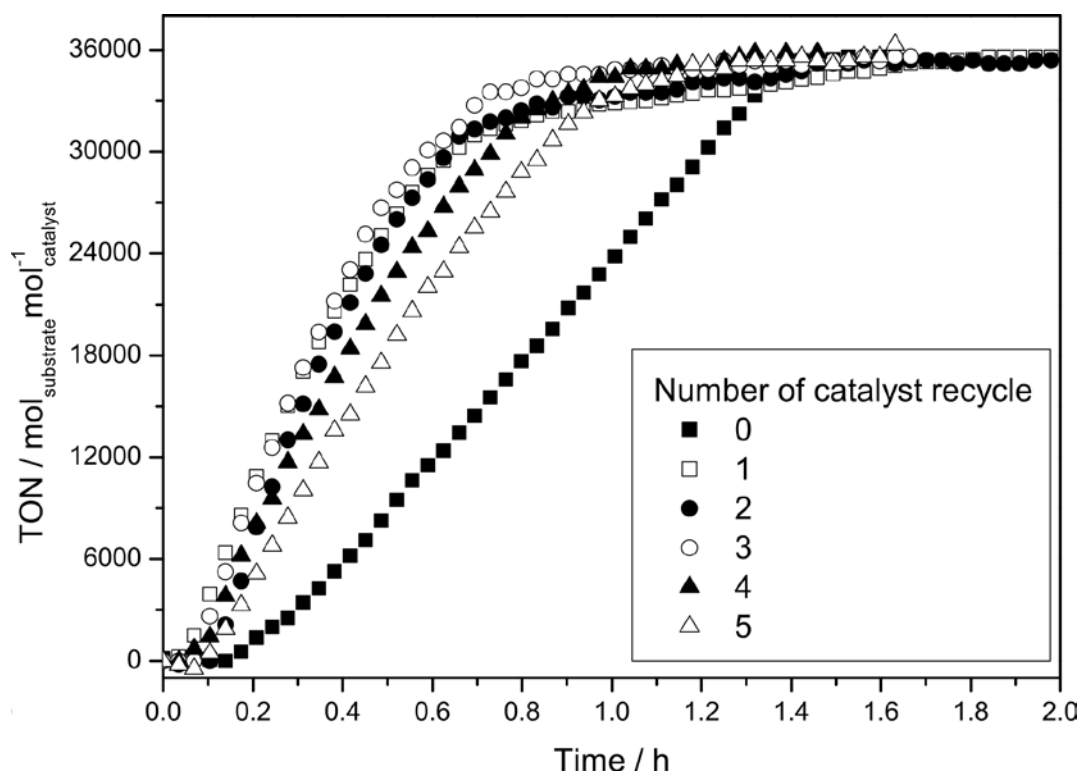
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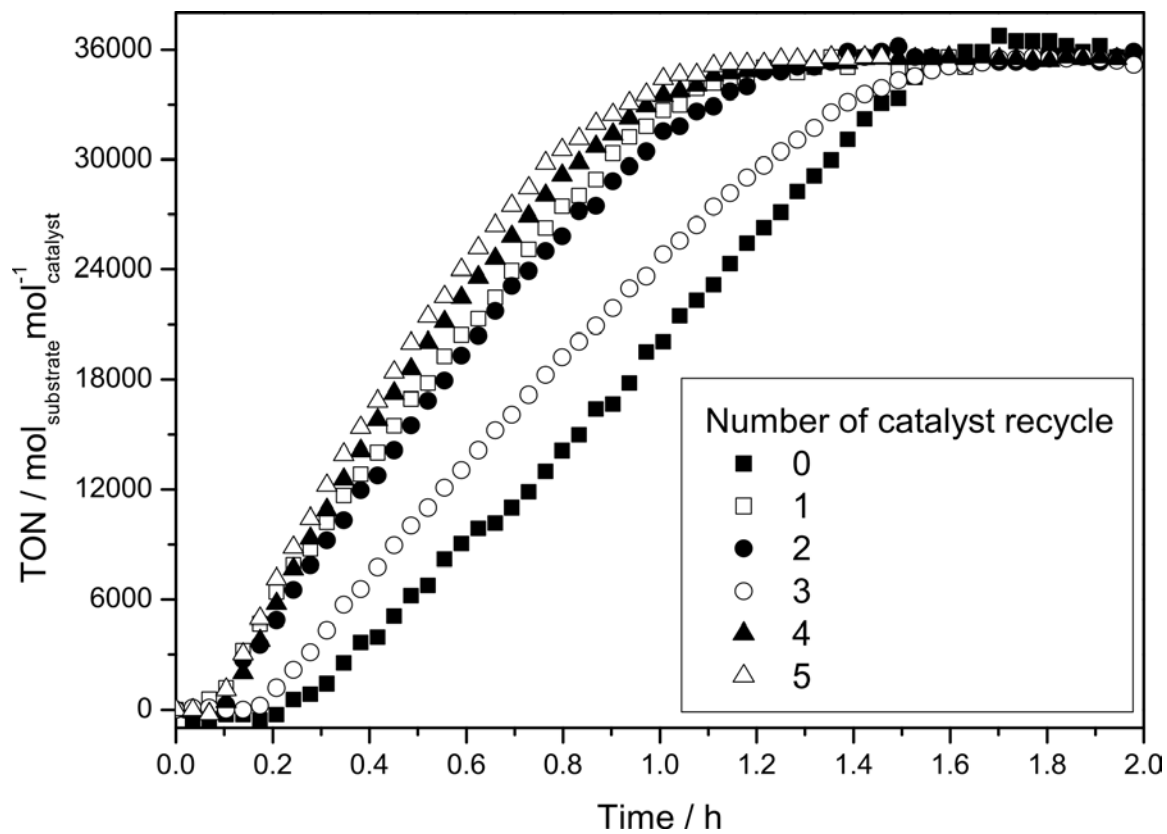
**Figure S1.** TON *versus* Time curves obtained for Rhdppb, RhPPh<sub>3</sub> and RhPVP colloidal systems



**Figure S2.** TON *versus* Time curves obtained for RhPVP@FFSiNH<sub>2</sub> nanocatalyst up to 5 recycles



**Figure S3.** TON *versus* Time curves obtained for RhPPh<sub>3</sub>@FFSiNH<sub>2</sub> nanocatalyst up to 5 recycles



**Figure S4.** TON *versus* Time curves obtained for Rh dppb@FFSiNH<sub>2</sub> nanocatalyst up to 5 recycles