Dear Dr. Steindel,

We truly appreciate your kind efforts for reviewing and evaluating our manuscript. Your constructive and valuable comments have been implemented in the submitted revised manuscript. We have done our best to address all your concerns, but any additional improvement or correction will be appreciated as well.

Thank you for your kind attention,

Best regards,

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**1. 1: Some more details on the reactor setup should be added; e.g., how exactly are T1 and T2 attached to the bottle? How exactly is the quartz tube fixed inside the illumination tube? Please also include materials used here in the Table of Materials.**

Previous sentences were revised, and more accurate descriptions were added from line 127 to 128 and 154 to 155. Table of Materials was updated.

**2. 3.1.2/3.2.1: What exactly are the gas flows in these steps?**

The following sentience was added from line 270 to 275.

*“The N2 gas flow has no effect on the synthesis process itself and hence, has no specific value. However, it is continuously applied to maintain a positive pressure inside the system and avoid O2 penetartion. Bubble formation at endpoint of the T1 tube inside the water filled Erlenmeyer is the only requirement for the flow adjustment.”*

**3. Please include explicit permission for Figures used from a previous publication. Explicit permission can be expressed in the form of a letter from the editor or a link to the editorial policy that allows re-prints. Please upload this information as a .doc or .docx file to your Editorial Manager account.**

This has been requested several times from ACS publications but unfortunately **no** response has been received. We are not aware of the normal time frame for the issuance of these types of permission but will appreciate if you allow us to obtain it before the publication of the current work.

**4. Figure 2: Please explain V0, T1, etc. in the Figure legend.**

Corresponding explanations were added to the figure legend.

**5. Figure 4: Please explain the distributions in the Figure legend. Also, do you have a distribution for 4d?**

Corresponding explanations were added to the figure legend. Figure 4d is provided as an undesirable synthesis condition and hence including particle distribution curves does not seem to be very appropriate.

**6. Figure 5: Please explain how the lines were fit and how well they fit (e.g., R-squared; possibly in Table 1 instead).**

Corresponding fitting data were added to the manuscript from line 350 to 357.