



*Division of Chemistry and Chemical Engineering*

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Nandita Singh, Ph.D.  
Senior Science Editor  
Journal of Visualized Experiments  
1 Alewife Center Suite  
200 Cambridge MA 02140  
USA

Dear Dr. Singh,

Please find attached our revised manuscript entitled “Efficient Solar Hydrogen Generation in Microgravity Environment - Experimental Methodes” and a direct point-to-point response to the editorial comments.

We were very glad to hear that our manuscript finds consideration for publication in your journal and thank you very much for your support.

Sincerely,

Dr. Katharina Brinkert

## Response to editorial comments

### *Editorial Comments*

1. *Please take this opportunity to thoroughly proofread the manuscript to ensure that there are no spelling or grammar issues.*

We have carefully proofread the manuscript and supporting documents.

2. *The Summary is over the 50 word limit.*

We have revised the summary accordingly and shorten it to 50 words.

3. *For in-text referencing, please put the reference number before a period or comma.*

We have carefully revised the in-text referencing accordingly.

4. *Please use standard SI unit symbols and prefixes such as  $\mu\text{L}$ ,  $\text{mL}$ ,  $\text{L}$ ,  $\text{g}$ ,  $\text{m}$ , etc.*

We revised the manuscript using standard SI unit symbols.

5. *Step 4.7: For steps that are done using software, a step-wise description of software usage must be included in the step. Please mention what button is clicked on in the software, or which menu items need to be selected to perform the step.*

As already indicated, we have indeed been using a software to program the drop sequence, but this step was carried out by engineers employed at the drop tower. Their installation support and help is part of the service the drop tower provides to each research team individually and the sequence is usually deleted when the experiments are finished. Therefore, we have unfortunately no detailed information on how the programming was carried out. Moreover, due to the fact that the drop sequence is programmed for each experimental setup individually, we would argue that the program details are not very beneficial to the reader - every team and experimental set-up will receive their own, individual drop sequence.

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6. *4.8: Please add more details to your protocol steps. Please ensure you answer the “how” question, i.e., how is the step performed?*

We have carefully revised protocol step 4.8 and added more information on the experimental procedure. It is important to notice that this step also depends on the experimentators explicit research question, therefore, we included an example procedure from our experiments.

7. *Figure 2: Please provide a title for the whole figure in Figure Legend.*

We included a title for Figure 2.

8. *Figure 3: Please provide a title for the whole figure in Figure Legend.*

We included a title for Figure 3.