Dear editor

Thank you for your evaluation on the manuscript. According to your comments, we have carefully revised the manuscript. The detailed responses are presented in the latter and the revised manuscript.

Thank you again for your consideration and kindly help.

Sincerely

Zekai Zhang

2018-08-20

1. The grammar and usage are still poor, which obstructs the meaning in some places; some of these have been noted in the manuscript but there are many other errors. Please proofread, ideally by a fluent English speaker.  
Answer: The manuscript has been revised, along with the answer to the notes in the manuscript. Thanks

2. Please remove all non-Figure content from the Figures themselves (titles, descriptions).  
Answer: It has been done.

3. Figure 3: “‘non-concentraed” is a typo; please fix.  
Answer: It has been done.

4. Some of Reviewer 1’s concerns don’t really seem to have been addressed in the manuscript, in particular a clearer description of pretreatment in the introduction and your results with real solar light.  
 Answer: Thanks for the comments. We mentioned pretreatment for two reasons. One is that it is the basis work for editor to invite us. The other is that pretreatment does have an effect on the catalyst.