Response to Reviewers' Comments

Manuscript: electrochem-2117099:

TITLE: **Synthesis and electrochemical performance of ZnO nanorods and its application in silver- zinc secondary battery**.

AUTHORS: **Vantu Nguyen*, Hung Nguyen Tran, Huong Nu Tran**

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Editor's statement:

I would like to express thanks for your submission of your manuscript to our journal Electrochem. Reviewers' comments on your work have now been received. All reviewers advised negative comments for publication in current form. I estimate that your manuscript meets the scope of this journal and shows enough quality. You are recommended to resubmit this manuscript after replying to all the comments of reviewers and revising your manuscript on the comments.

Answer: Thank you very much for your good advice and hard work.
We have revised the whole manuscript carefully according to your nice comment. Please find below the Response to Reviewers' Comments and the revised version.

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Response to Referee report

Reviewer #2:

1. "In the present work, we report effective solvothermal? synthesis of ZnO nanorods" why authors have included the question mark on this particular sentence.
Answer: We apologize for the error. We have revised the whole manuscript carefully according to your nice comment.

2. Author have mentioned ZnO nanorods, but nanoparticle term is also used in several places. So authors are asked to specify correctly wheather this is nanoparticles or nanorods.
Answer: It is ZnO nanorods. Thank you very much for your comments.

3. Authors have confirmed the formation of ZnO through XRD characterization. It is also very important to use XPS technique to further confirm the successful synthesis of ZnO.

Answer: Thank you very much for your comments. Unfortunately, we are not able to XPS measurements in the present work. However, we know that it is quite useful measurement to enrich the conten of our manuscript, and we will try to do this test in our future work.

4. EIS plot should be checked and asked to fit the EIS data correctly. Authors did not provide the fitted graph of Nyquist plots and the conventional format with the range of the horizontal axis (x-axis) and vertical axis (y-axis) is scientifically incorrect.
Answer: Thank you very much for your comments.

5. Authors have ascribed that "The presence of C can be explained by absorption from the air or incomplete decomposition of organic matter" this phenomenon can be further confirmed by XPS deconvoulation of C1s peak. So that it is suggested that XPS of the C and Zn is very important for the clarification.
Answer: Thank you very much for your comments. Unfortunately, we are not able to XPS measurements in the present work. However, we know that it is quite useful measurement to enrich the conten of our manuscript, and we will try to do this test in our future work.

6. Also it is asked to provide HRTEM analysis for further clarification of crystallinity of ZnO nanorods. Also please provide the SAED pattern.
Answer: Thank you very much for your comments. Unfortunately, we are not able to HRTEM measurements in the present work. However, we know that it is quite useful measurement to enrich the conten of our manuscript, and we will try to do this test in our future work.

7. "Plane of the ZnO phase, (JCPDS file 36-1451)", This JCPDS data should be
Answer: Thank you very much for your comments, but in our opinion it's not really unnecessary. If you find it unsatisfactory, we can add the Figure as your comment.

8. There are also various colours present in EIS plot. Authors should carefully check this.
Answer: Thank you very much for your comments. We have revised the whole manuscript carefully according to your nice comment.