

---

## ER-21-21093 successfully submitted

1 pesan

---

International Journal of Energy Research <onbehalf@manuscriptcentral.com>

24 Juli 2021 pukul  
07.46

Balas Ke: ERedoffice@wiley.com

Kepada: erman\_taer@yahoo.com, erman.taer@lecturer.unri.ac.id, apriwandi95@gmail.com,  
agustino@student.unri.ac.id, dewimegaratna@gmail.com, rikataslim@gmail.com

Cc: erman\_taer@yahoo.com, erman.taer@lecturer.unri.ac.id, apriwandi95@gmail.com, agustino@student.unri.ac.id,  
dewimegaratna@gmail.com, rikataslim@gmail.com

23-Jul-2021

Dear Prof. Taer,

Your manuscript entitled ER-21-21093 "Porous hollow carbon nanofiber/nanosheet biomass-based for high-performance supercapacitor" has been successfully submitted online and is presently being considered for publication in International Journal of Energy Research.

Please mention the above manuscript ID in all future correspondence. If there are any changes in your contact details, please log in to Manuscript Central at <https://mc.manuscriptcentral.com/er> and edit your user information as appropriate.

You can also view the status of your manuscript at any time by checking your Author Centre after logging in to <https://mc.manuscriptcentral.com/er>.

Thank you for submitting your manuscript to International Journal of Energy Research.

This journal offers a number of license options, information about this is available here: <https://authorservices.wiley.com/author-resources/Journal-Authors/licensing/index.html>. All co-authors are required to confirm that they have the necessary rights to grant in the submission, including in light of each co-author's funder policies. For example, if you or one of your co-authors received funding from a member of Coalition S, you may need to check which licenses you are able to sign.

Energy Research journal now offers Free Format submission for a fast and simple submission process. See our author guidelines at <https://onlinelibrary.wiley.com/page/journal/1099114x/homepage/forauthors.html>

Kind regards,  
Ms. Preethi Raj  
International Journal of Energy Research Editorial Office

---

## ER-21-21093 - Decision on Manuscript

1 pesan

---

International Journal of Energy Research <onbehalf@manuscriptcentral.com>

12 Agustus 2021 pukul  
17.34

Balas Ke: meng.ni@polyu.edu.hk

Kepada: erman\_taer@yahoo.com, erman.taer@lecturer.unri.ac.id, apriwandi95@gmail.com,

agustino@student.unri.ac.id, dewimegaratna@gmail.com, rikataslim@gmail.com

Cc: meng.ni@polyu.edu.hk

12-Aug-2021

Dear Prof. Taer,

Manuscript ID ER-21-21093 entitled "Porous hollow carbon nanofiber/nanosheet biomass-based for high-performance supercapacitor".

Thank you for submitting this manuscript to International Journal of Energy Research. It has now been seen by expert referees whose comments are at the end of this email. While all thought the subject matter of your study was interesting and pertinent to the Journal, they have each raised a significant number of points about the design of the study and the presentation and interpretation of the data. I hope that you will be able to deal with the issues raised and we look forward to receiving a substantially revised version in due course.

In order to revise your manuscript, log into <https://mc.manuscriptcentral.com/er> and enter your Author Centre, where you will find your manuscript title listed under "Manuscripts with Decisions". Under "Actions", click on "Create a Revision". Your manuscript number has been appended to denote a revision.

You will be unable to make your revisions on the originally submitted version of the manuscript. Instead, revise your manuscript using a word processing program and save it on your computer. Please also highlight the changes to your manuscript within the document by using coloured text along with an itemized response sheet. You should make sure that each point raised by the referee(s) is addressed accordingly.

Wiley Editing Services Available to All Authors

Should you be interested, Wiley Editing Services offers expert help with manuscript, language, and format editing, along with other article preparation services. You can learn more about this service option at [www.wileyauthors.com/eo/preparation](http://www.wileyauthors.com/eo/preparation). You can also check out Wiley's collection of free article preparation resources for general guidance about writing and preparing your manuscript at [www.wileyauthors.com/eo/prepresources](http://www.wileyauthors.com/eo/prepresources).

Once the revised manuscript is prepared, you can upload it and submit it through your Author Centre.

When submitting your revised manuscript, you will be able to respond to the comments made by the reviewer(s) in the space provided. You can use this space to document any changes you make to the original manuscript. Because we are trying to facilitate timely publication of manuscripts, your revised manuscript should be uploaded as soon as possible. If it is not possible for you to submit your revision within three months, we may have to consider your manuscript as a new submission.

Once again, thank you for submitting your manuscript to International Journal of Energy Research and I look forward to receiving your revision.

Energy Research journal now offers Free Format submission for a fast and simple submission process. See our author guidelines at <https://onlinelibrary.wiley.com/page/journal/1099114x/homepage/forauthors.html>

This journal offers a number of license options, information about this is available here: <https://authorservices.wiley.com/author-resources/Journal-Authors/licensing/index.html>. All co-authors are required to confirm that they have the necessary rights to grant in the submission, including in light of each co-author's funder policies. For example, if you or one of your co-authors received funding from a member of Coalition S, you may need to check which licenses you are able to sign.

With my best wishes,

Prof. Meng Ni  
Associate Dean, The Hong Kong Polytechnic University  
Email: [meng.ni@polyu.edu.hk](mailto:meng.ni@polyu.edu.hk)  
<https://publons.com/researcher/1368068/meng-ni/>  
Associate Editor,  
International Journal of Energy Research

Reviewer(s)' Comments to Author:

Reviewer: 1

Comments to the Author

This manuscript reports a biomass-based porous hollow carbon electrode for high-performance supercapacitor. The chemical activation of KOH/ZnCl<sub>2</sub> were performed at low concentration (<1 M), and the hierarchical porous nanofiber/nanosheet structures were exhibited. In addition, the device showed high specific capacitance. I think this work is interesting and suitable for publication after addressing the following comments:

1. The authors demonstrated the porous hollow carbon nanofiber/nanosheet structures were exhibited, however, no direct evidence to prove this. Figure 4d is not clear. Please provide.
2. In Table 5, the capacitance of 213 F g<sup>-1</sup> corresponds to the ZnCl<sub>2</sub> activation. Please revise.
3. The electrochemical performance is obtained by the CV calculation. How about the galvanostatic charge/discharge curves? And long cycling performance? Please supply these data.
4. The introduction of biomass-based porous carbon materials for supercapacitors are not complete, some related articles need to be compared and analyzed.
5. Some minor grammatical mistakes should be checked carefully.

Reviewer: 2

Comments to the Author

This paper report the preparation of supercapacitor electrode from PJ biomass following activation in KOH or ZnCl<sub>2</sub>. In this work, the author have studied the effect of activation process on the surface area and capacitance. The reviewer has several points that the author needs to carefully address.

1. The Introduction part does not show a clear motive and objective of the study. Highlighting the novelty of the work is necessary.
2. Because the performance of the obtained sample is not comparable to the best electrodes as in the ref [47], [59] and [62], what is the motive of the study using this biomass sample? Discussion in the point of view the special structure and chemical and electrical properties is required. Special materials properties is necessary for motive of the study to avoid a traditional routine of simply changing the biomass source.
3. On page 7 lines 35-36, the author claims the sample is amorphous and mentioned the sample has strong diffraction peaks of carbon at 22-24 degrees. It is based on the XRD analysis result as shown in Figure 3. It is totally weird! If amorphous, it is supposed to be no diffraction peaks in the XRD pattern. If there is a peak, it is meant the sample is crystalline. The reviewer wonder which type of sample is expected in this study.
4. In Figures 5 a and b, it is shown that the surface area analysis using KOH and ZnCl<sub>2</sub>. For KOH, the surface area increases with the increase of KOH and maximum at 0.7. The value drastically drops when 0.9KOH is used. Why the author did not check 0.75, 0.8???? It is the same case with ZnCl<sub>2</sub>.
5. From table 5, why the capacitance in the sample treated with ZnCl<sub>2</sub> is higher than the one treated in KOH. the BET surface area is much higher in KOH treated sample.
6. The English of the paper needs to be improved by native or expert. Wordings problem is the major issue in this paper. For example in the abstract "Two different activator agents (KOH and ZnCl<sub>2</sub> are the purposes of work." What does the author want to say?  
This is only one example, there are a lot of such cases in the entire paper.

Reviewer: 3

Comments to the Author

In this manuscript, the authors have reported the preparation of biomass-based porous hollow carbon nanofiber/nanosheet by chemical activation using two different activator agents. It can be accepted after a major revision.

1. The different pyrolysis temperature should be investigated.
2. The effect of physical activation by CO<sub>2</sub> should be explained.
3. TEM images with high-resolution of the obtained carbon should be provided.
4. Some recent references should be cited.

---

**International Journal of Energy Research - Decision on Manuscript ID  
ER-21-21093.R1**

1 pesan

---

**International Journal of Energy Research** <onbehalf@manuscriptcentral.com>23 Agustus 2021 pukul  
12.11

Balas Ke: meng.ni@polyu.edu.hk

Kepada: erman\_taer@yahoo.com, erman.taer@lecturer.unri.ac.id, apriwandi95@gmail.com,  
agustino@student.unri.ac.id, dewimegaratna@gmail.com, rikataslim@gmail.com

Cc: meng.ni@polyu.edu.hk

23-Aug-2021

Dear Prof. Taer,

Manuscript ID ER-21-21093.R1 entitled "Porous hollow carbon nanofiber/nanosheet biomass-based for high-performance supercapacitor".

Thank you for submitting this manuscript to International Journal of Energy Research. I am pleased to inform you that your paper has received positive feedbacks from the expert referees for minor revisions, as listed at the end of this email.

In order to revise your manuscript, log into <https://mc.manuscriptcentral.com/er> and enter your Author Centre, where you will find your manuscript title listed under "Manuscripts with Decisions". Under "Actions", click on "Create a Revision". Your manuscript number has been appended to denote a revision.

You will be unable to make your revisions on the originally submitted version of the manuscript. Instead, revise your manuscript using a word processing program and save it on your computer. Please also highlight the changes to your manuscript within the document by using coloured text along with an itemized response sheet. You should make sure that each point raised by the referee(s) is addressed accordingly.

Once the revised manuscript is prepared, you can upload it and submit it through your Author Centre.

When submitting your revised manuscript, you will be able to respond to the comments made by the reviewer(s) in the space provided. You can use this space to document any changes you make to the original manuscript. Because we are trying to facilitate timely publication of manuscripts, your revised manuscript should be uploaded as soon as possible. If it is not possible for you to submit your revision within three months, we may have to consider your manuscript as a new submission.

In closing, I take this opportunity to thank you for submitting your manuscript to International Journal of Energy Research and I look forward to receiving your revision.

Energy Research journal now offers Free Format submission for a fast and simple submission process. See our author guidelines at <https://onlinelibrary.wiley.com/page/journal/1099114x/homepage/forauthors.html>

This journal offers a number of license options, information about this is available here: <https://authorservices.wiley.com/author-resources/Journal-Authors/licensing/index.html>. All co-authors are required to confirm that they have the necessary rights to grant in the submission, including in light of each co-author's funder policies. For example, if you or one of your co-authors received funding from a member of Coalition S, you may need to check which licenses you are able to sign.

With my best wishes,  
Prof. Meng Ni  
Associate Dean, The Hong Kong Polytechnic University  
Email: [meng.ni@polyu.edu.hk](mailto:meng.ni@polyu.edu.hk)  
<https://publons.com/researcher/1368068/meng-ni/>  
Associate Editor,  
International Journal of Energy Research

Reviewer(s)' Comments to Author:

Reviewer: 1

Comments to the Author

Galvanostatic charge/discharge measurement and long cycling performance should be added. These data are necessary.

---

## International Journal of Energy Research - Decision on Manuscript ID ER-21-21093.R2

1 pesan

---

International Journal of Energy Research <onbehalf@manuscriptcentral.com>

28 Agustus 2021 pukul  
16.31

Balas Ke: meng.ni@polyu.edu.hk

Kepada: erman\_taer@yahoo.com, erman.taer@lecturer.unri.ac.id, apriwandi95@gmail.com,  
agustino@student.unri.ac.id, dewimegaratna@gmail.com, rikataslim@gmail.com

Cc: meng.ni@polyu.edu.hk

28-Aug-2021

Dear Prof. Taer,

Thank you for submitting your manuscript "Porous hollow carbon nanofiber/nanosheet biomass-based for high-performance supercapacitor". I am pleased to confirm that your paper has been accepted for publication in International Journal of Energy Research. There may be comments provided by the referee(s) at the end of this email.

International Journal of Energy Research does not impose page charges but does offer an optional pay-for-open-access service (OnlineOpen) for those authors of primary research articles who wish to make their article freely available to non-subscribers on publication, or whose funding agency requires grantees to archive the final version of their article. With OnlineOpen, the author, the author's funding agency, or the author's institution pays a fee to ensure that the article is made available to non-subscribers upon publication via Wiley Online Library, as well as deposited in the funding agency's preferred archive. For more information, please visit: <http://olabout.wiley.com/WileyCDA/Section/id-406241> for further information about OnlineOpen.

If you wish your manuscript to be OnlineOpen you are required to complete the payment form available from our website at: [https://authorservices.wiley.com/bauthor/onlineopen\\_order.asp](https://authorservices.wiley.com/bauthor/onlineopen_order.asp)

Your article cannot be published until the publisher has received the appropriate signed license agreement. Within the next few days the corresponding author will receive an email from Wiley's Author Services system which will ask them to provide the appropriate license.

For further information about the production process see: [http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1365-2826/homepage/ForAuthors.html](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1365-2826/homepage/ForAuthors.html)

In closing, I take the opportunity to thank you for choosing to submit your work to International Journal of Energy Research. We look forward to receiving further contributions from you in due course.

Energy Research journal now offers Free Format submission for a fast and simple submission process. See our author guidelines at <https://onlinelibrary.wiley.com/page/journal/1099114x/homepage/forauthors.html>

This journal offers a number of license options, information about this is available here: <https://authorservices.wiley.com/author-resources/Journal-Authors/licensing/index.html>. All co-authors are required to confirm that they have the necessary rights to grant in the submission, including in light of each co-author's funder policies. For example, if you or one of your co-authors received funding from a member of Coalition S, you may need to check which licenses you are able to sign.

With my best wishes,

Prof. Meng Ni  
Associate Dean, The Hong Kong Polytechnic University  
Email: [meng.ni@polyu.edu.hk](mailto:meng.ni@polyu.edu.hk)  
<https://publons.com/researcher/1368068/meng-ni/>  
Associate Editor,  
International Journal of Energy Research

P.S. – You can help your research get the attention it deserves! Wiley Editing Services offers professional video

abstract and infographic creation to help you promote your research at [www.wileyauthors.com/eoo/promotion](http://www.wileyauthors.com/eoo/promotion). And, check out Wiley's free Promotion Guide for best-practice recommendations for promoting your work at [www.wileyauthors.com/eoo/guide](http://www.wileyauthors.com/eoo/guide).

Reviewer(s)' Comments to Author: