



bebeh wahid <bebehwahid102@gmail.com>

Your article copyright is now due for MRX-103382

1 message

Materials Research Express <onbehalfof+mrx+iop.org@manuscriptcentral.com>Tue, Nov 29, 2016 at 12:04
PM

Reply-To: mrx@iop.org

To: bebehwahid102@uinsgd.ac.id, bebehwahid102@gmail.com

Dear Dr Nuryadin,

Re: "Synthesis and Characterization of Carbon Nanoparticle/PVA/ Chitosan for Security Ink Applications" by Nuryadin, Bebeh; Nurjanah, Ririn; Mahen, Ea; Nuryantini, Ade
Article reference: MRX-103382

The copyright form for your manuscript MRX-103382 is now due. Please complete the form online from your Author Centre at https://mc04.manuscriptcentral.com/mrx-iop?URL_MASK=8ed26c2ecfb4db4b9b50bf2a218fe3d

If you have any queries, or if you think that you are unable to sign the form for any reason, please contact us immediately.

Yours sincerely

On behalf of the IOP peer review team:

Editor - Philip Semple

Associate Editors - Andy Massey, Ian Stokes, Lucy Evans and Bethan Davies

Editorial Assistants - David Marquiss and Georgia Perkins

mrx@iop.org

Editor-in-Chief: Professor Meyya Meyyappan

Publisher: Ceri-Wyn Thomas

IOP Publishing

Temple Circus, Temple Way, Bristol, BS1 6HG, UK

www.iopscience.org/mrx

Letter reference: ESC04



bebeh wahid <bebehwahid102@gmail.com>

Our initial decision on your article: MRX-103382

1 message

Materials Research Express <onbehalfof+mrx+iop.org@manuscriptcentral.com>Thu, Dec 15, 2016 at
5:17 PM

Reply-To: mrx@iop.org

To: bebehwahid102@uinsgd.ac.id, bebehwahid102@gmail.com

Dear Dr Nuryadin,

Re: "Synthesis and Characterization of Carbon Nanoparticle/PVA/ Chitosan for Security Ink Applications" by Nuryadin, Bebeh; Nurjanah, Ririn; Mahen, Ea; Nuryantini, Ade
Article reference: MRX-103382

We have now received the referee report(s) on your Special Issue Article, which is being considered by Materials Research Express.

The referee(s) have recommended that you make substantial changes to your article. The referee report(s) can be found below and/or attached to this message. You can also access the reports at your Author Centre, at <https://mc04.manuscriptcentral.com/mrx-iop>

Please consider the referee comments and amend your article according to the recommendations. You should then send us the final version together with point-by-point replies to the referee comments and either a list of changes you have made or an additional copy of your manuscript with the changes highlighted. This will aid our referees in reviewing your revised article. Please upload the final version and electronic source files to your Author Centre by 12-Jan-2017.

If we do not receive your article by this date, it may be treated as a new submission, so please let us know if you will need more time.

Please note that if the referee(s) and Editorial Board are not satisfied with the changes to your manuscript, it may still be rejected.

We look forward to hearing from you soon.

Yours sincerely

Andy Massey

On behalf of the IOP peer review team:

Editor - Philip Semple

Associate Editors - Andy Massey, Ian Stokes, Lucy Evans and Bethan Davies

Editorial Assistants - David Marquiss and Georgia Perkins

mrx@iop.org

Editor-in-Chief: Professor Meyya Meyyappan

Publisher: Ceri-Wyn Thomas

IOP Publishing

Temple Circus, Temple Way, Bristol, BS1 6HG, UK

www.iopscience.org/mrx

REFeree REPORT(S):

Referee: 1

COMMENTS TO THE AUTHOR(S)

1. This paper is written very poorly and would need significant editing to be publishable. In particular correct use of the past tense is often lacking.
2. The infrared spectra (Figure 2a) shown appear to be primarily the spectra of water. While the band at ~3300 wavenumbers is the -OH band, the band identified as N=C at ~2100 wavenumbers looks mainly like the water combination band and the ~1600 wavenumber band labelled C=O is most likely the water bending band. This does not mean that the labelled bands might not be present, but that they are swamped by the water band from the acetic acid solution. I think removing the water bands by subtraction of a pure ink base spectrum would be useful to help bring out the bands that you want to identify.
3. The photoluminescence spectra (Figure 1a), look like they are composed of two or three bands, one centered at ~450 nm, one centered at ~510 nm and possibly one centered somewhere between 575 and 625 nm. While I am not a PL expert, a brief literature search indicated the possibility of carbon materials having bands between 500 and 600 nm (https://www.researchgate.net/publication/272456154_Optical_Properties_of_Carbon_Nanoparticles), and chitosan bands can occur between ~400 nm or up to ~520 nm depending upon the excitation wavelength (https://www.researchgate.net/publication/270811685_Photoluminescence_from_Chitosan_for_Bio-Imaging). I think discussion or inclusion of the PL spectra expected for the component materials would help define what causes these bands and give more support for the final explanation.
4. In Figure 2b, it is not clear to me that the x-axis can be used to develop a fitting equation as is done on the graph, because it is not clear that the x-axis is a number-based axis rather than a category-based axis. The axis labels are not numerical. Table 1 gives a set of carbon nanoparticle and chitosan concentrations for the inks given in the x-axis label in Figure 2b, but i) it is not clear how these two concentrations would go together to make a single axis value, and ii) neither the weight PVA nor chitosan is linear from inks 0 through 4. PVA weight increases linearly for 0-3 but not to 4, and chitosan concentration doubles from 1-2 and 2-3 but not 3-4. Even if a numerical axis can be salvaged, as for instance by assuming that the primary effect on viscosity comes from the PVA, for which an exponential fit is likely appropriate) <http://www.sciencedirect.com/science/article/pii/S1018363910000036>), but this fitting should be done using a numerical axis and the reason for choosing an exponential and the specific numbers chosen given.

Letter reference: DSMa01



bebeh wahid <bebehwahid102@gmail.com>

Your revised article is due soon: MRX-103382

1 message

Materials Research Express <onbehalfof+mrx+iop.org@manuscriptcentral.com>

Wed, Jan 4, 2017 at

1:06 PM

Reply-To: mrx@iop.org

To: bebehwahid102@uinsgd.ac.id, bebehwahid102@gmail.com

Dear Dr Nuryadin,

Re: "Synthesis and Characterization of Carbon Nanoparticle/PVA/ Chitosan for Security Ink Applications" by Nuryadin, Bebeh; Nurjanah, Ririn; Mahen, Ea; Nuryantini, Ade
Article reference: MRX-103382

Recently we wrote to you asking you to make revisions to your Special Issue Article submitted to Materials Research Express.

Your revised manuscript is due shortly. If you have not yet done so, you can access the referee reports through your Author Centre at <https://mc04.manuscriptcentral.com/mrx-iop> or you can access the manuscript directly by following this link: *** PLEASE NOTE: This is a two-step process. After clicking on the link, you will be directed to a webpage to confirm. ***

https://mc04.manuscriptcentral.com/mrx-iop?URL_MASK=0749594d16d44b139dc159bf5b9fd55f.

We look forward to hearing from you soon.

Yours sincerely

On behalf of the IOP peer review team:

Editor - Philip Semple

Associate Editors - Andy Massey, Ian Stokes, Lucy Evans and Bethan Davies

Editorial Assistants - David Marquiss and Georgia Perkins

mrx@iop.org

Editor-in-Chief: Professor Meyya Meyyappan

Publisher: Ceri-Wyn Thomas

IOP Publishing

Temple Circus, Temple Way, Bristol, BS1 6HG, UK

www.iopscience.org/mrx

Letter reference: ASMAR01



bebeh wahid <bebehwahid102@gmail.com>

Your revised submission to Mater. Res. Express: MRX-103382.R1

1 message

Materials Research Express <onbehalfof+mrx+iop.org@manuscriptcentral.com>

Wed, Jan 11, 2017 at
9:33 PM

Reply-To: mrx@iop.org

To: bebehwahid102@uinsgd.ac.id, bebehwahid102@gmail.com, ririnnurjanah93@gmail.com, Ea.cahya@uinsgd.ac.id, ade.yeti@uinsgd.ac.id

Dear Dr Nuryadin,

Re: "Synthesis and Characterization of Carbon Nanoparticle/PVA/ Chitosan for Security Ink Applications" by Nuryadin, Bebeh; Nurjanah, Ririn; Mahen, Ea; Nuryantini, Ade
Article reference: MRX-103382.R1

Thank you for submitting your revised Special Issue Article, which will be considered for publication in Materials Research Express. The reference number for your article is MRX-103382.R1. Please quote this number in all future correspondence regarding this manuscript.

As the submitting author, you can follow the progress of your article by checking your Author Centre after logging in to <https://mc04.manuscriptcentral.com/mrx-iop> Once you are signed in you will be able to track the progress of your article, read the referee reports and send us your electronic files.

This journal makes manuscripts available to readers on the journal website within 24 hours of acceptance. Please be aware that if you did not tick the relevant opt-out box on the submission form, the accepted version of your manuscript will be visible on the journal's website before it is proof-read and formatted to our house style.

If you are planning any press activity for your article, or are currently engaging in an IP or patent application, you may wish to opt-out of making your accepted manuscript immediately available online. If you do not wish to make the accepted version of your manuscript immediately visible to readers, and have not ticked the opt-out box during submission, please let us know as soon as possible.

Please do not hesitate to contact us if we can be of assistance to you.

Yours sincerely

On behalf of the IOP peer review team:

Editor - Philip Semple

Associate Editors - Andy Massey, Ian Stokes, Lucy Evans and Bethan Davies

Editorial Assistants - Georgia Perkins and Elin Morris

mrx@iop.org

Editor-in-Chief: Professor Meyya Meyyappan

Publisher: Ceri-Wyn Thomas

IOP Publishing

Temple Circus, Temple Way, Bristol, BS1 6HG, UK

www.iopscience.org/mrx

Letter reference: SAu07



bebeh wahid <bebehwahid102@gmail.com>

Our decision on your revised article: MRX-103382.R1

1 message

Materials Research Express <onbehalf+mrx+iop.org@manuscriptcentral.com>Wed, Jan 25, 2017 at
5:34 PM

Reply-To: mrx@iop.org

To: bebehwahid102@uinsgd.ac.id, bebehwahid102@gmail.com

Dear Dr Nuryadin,

Re: "Synthesis and Characterization of Carbon Nanoparticle/PVA/ Chitosan for Security Ink Applications" by Nuryadin, Bebeh; Nurjanah, Ririn; Mahen, Ea; Nuryantini, Ade
Article reference: MRX-103382.R1

We have now received the referee report(s) on your Special Issue Article, which is being considered by Materials Research Express.

The referee(s) have recommended that you make further amendments to your article. The referee report(s) can be found below and/or attached to this message. You can also access the reports at your Author Centre, at <https://mc04.manuscriptcentral.com/mrx-iop>

Please consider the referee comments and amend your article according to the recommendations. You should then send us the final version together with point-by-point replies to the referee comments and either a list of changes you have made or an additional copy of your manuscript with the changes highlighted. This will aid our referees in reviewing your revised article. Please upload the final version and electronic source files to your Author Centre by 08-Feb-2017.

If we do not receive your article by this date, it may be treated as a new submission, so please let us know if you will need more time.

We look forward to hearing from you soon.

Yours sincerely

Andy Massey

On behalf of the IOP peer review team:

Editor - Philip Semple

Associate Editors - Andy Massey, Ian Stokes, Lucy Evans and Bethan Davies

Editorial Assistants - Georgia Perkins and Elin Morris

mrx@iop.org

Editor-in-Chief: Professor Meyya Meyyappan

Publisher: Ceri-Wyn Thomas

IOP Publishing

Temple Circus, Temple Way, Bristol, BS1 6HG, UK

www.iopscience.org/mrx

REFeree REPORT(S):

Referee: 1

COMMENTS TO THE AUTHOR(S)

There still is some poor English -- like the very first sentence -- Luminescence materials are a semiconductor material, which has to change optical characteristic in response to the stimulus of external radiation -- has a tense

disagreement with the subject and subsequent clause. Also, the first sentence of Section 2 -- The C-dots powder were synthesis using citric acid and urea as carbon and fuel source -- synthesis should be replaced by the past tense form of the verb (synthesized).

This is not why I think amendments are still required. My reason for this is the discussion and band assignment related to Figure 2a. The band at ~1650 wavenumbers is clearly the water bending band (see <http://webbook.nist.gov/cgi/cbook.cgi?ID=C7732185&Type=IR-SPEC&Index=1> for instance) and not the carbonyl band as identified. That is a possible location for carbonyl bands, but the band in the Figure is far too large to be from any carbonyl's present. The carbonyl's may be present, but they are covered by the water bending band, which is why I thought spectral subtraction would be useful for the IR spectra.

Letter reference: DRWMo01



bebeh wahid <bebehwahid102@gmail.com>

Your revised submission to Mater. Res. Express: MRX-103382.R2

1 message

Materials Research Express <onbehalfof+mrx+iop.org@manuscriptcentral.com>

Sun, Feb 5, 2017 at
6:58 AM

Reply-To: mrx@iop.org

To: bebehwahid102@uinsgd.ac.id, bebehwahid102@gmail.com, ririnnurjanah93@gmail.com, Ea.cahya@uinsgd.ac.id, ade.yeti@uinsgd.ac.id

Dear Dr Nuryadin,

Re: "Synthesis and Characterization of Carbon Nanoparticle/PVA/ Chitosan for Security Ink Applications" by Nuryadin, Bebeh; Nurjanah, Ririn; Mahen, Ea; Nuryantini, Ade
Article reference: MRX-103382.R2

Thank you for submitting your revised Special Issue Article, which will be considered for publication in Materials Research Express. The reference number for your article is MRX-103382.R2. Please quote this number in all future correspondence regarding this manuscript.

As the submitting author, you can follow the progress of your article by checking your Author Centre after logging in to <https://mc04.manuscriptcentral.com/mrx-iop> Once you are signed in you will be able to track the progress of your article, read the referee reports and send us your electronic files.

This journal makes manuscripts available to readers on the journal website within 24 hours of acceptance. Please be aware that if you did not tick the relevant opt-out box on the submission form, the accepted version of your manuscript will be visible on the journal's website before it is proof-read and formatted to our house style.

If you are planning any press activity for your article, or are currently engaging in an IP or patent application, you may wish to opt-out of making your accepted manuscript immediately available online. If you do not wish to make the accepted version of your manuscript immediately visible to readers, and have not ticked the opt-out box during submission, please let us know as soon as possible.

Please do not hesitate to contact us if we can be of assistance to you.

Yours sincerely

On behalf of the IOP peer review team:

Editor - Philip Semple

Associate Editors - Andy Massey, Ian Stokes, Lucy Evans and Bethan Davies

Editorial Assistants - Georgia Perkins and Elin Morris

mrx@iop.org

Editor-in-Chief: Professor Meyya Meyyappan

Publisher: Ceri-Wyn Thomas

IOP Publishing

Temple Circus, Temple Way, Bristol, BS1 6HG, UK

www.iopscience.org/mrx

Letter reference: SAu07



bebeh wahid <bebehwahid102@gmail.com>

Our decision on your Special Issue Article: MRX-103382.R2

2 messages

Materials Research Express <onbehalfof+mrx+iop.org@manuscriptcentral.com>Mon, Feb 13, 2017 at
6:59 PM

Reply-To: mrx@iop.org

To: bebehwahid102@uinsgd.ac.id, bebehwahid102@gmail.com, ririnnurjanah93@gmail.com, Ea.cahya@uinsgd.ac.id, ade.yeti@uinsgd.ac.id

Dear Dr Nuryadin,

Re: "Synthesis and Characterization of Carbon Nanoparticle/PVA/ Chitosan for Security Ink Applications" by Nuryadin, Bebeh; Nurjanah, Ririn; Mahen, Ea; Nuryantini, Ade
Article reference: MRX-103382.R2

We are pleased to tell you that we have provisionally accepted your Special Issue Article for publication in Materials Research Express. Any further comments from the referees can be found below and/or attached to this message. Our editorial team will now perform some final checks to ensure that we have everything we need to publish your Special Issue Article. These checks will enable our production team to publish your Special Issue Article as quickly and efficiently as possible. Once this is confirmed, your article will be formally accepted and we will inform you of this via email.

Your accepted manuscript (<http://iopscience.iop.org/page/acceptedmanuscripts>) will be made available online within 24 hours of formal acceptance, unless you decided to opt out during the submission process.

If you have chosen to publish your Special Issue Article on an Open Access basis, you will be responsible for ensuring that the article publication charge (APC) is paid in full. Once your Special Issue Article has been accepted, we will not be able to change the Open Access status of your manuscript.

All articles published by IOP Publishing are available online to readers at <http://iopscience.org/>. For more information, please contact our Customer Services department at custserv@iop.org. For advice on complying with US funder requirements, please go to <http://iopscience.iop.org/info/page/chorus>.

Thank you for choosing to publish in Materials Research Express. We look forward to publishing your Special Issue Article.

Yours sincerely

Andy Massey

On behalf of the IOP peer review team:

Editor - Philip Semple

Associate Editors - Andy Massey, Ian Stokes, Lucy Evans and Bethan Davies

Editorial Assistants - Georgia Perkins and Elin Morris

mrx@iop.org

Editor-in-Chief: Professor Meyya Meyyappan

Publisher: Ceri-Wyn Thomas

IOP Publishing

Temple Circus, Temple Way, Bristol, BS1 6HG, UK

www.iopscience.org/mrx

REFEREE REPORT(S):

Referee: 1

COMMENTS TO THE AUTHOR(S)

The writing could still do with some work in a few places, as tense disagreements are still present, but I find the article acceptable as is, and quite interesting.

Letter reference: ERWSA01

bebeh wahid <bebehwahid102@gmail.com>
To: ade yeti Nuryantini <adeyetin@gmail.com>

Tue, Feb 14, 2017 at 1:00 AM

Assalamualaikum wr. wb.

Bu Ade, paper kita di Material Research Express hasil presentasi di MRS-ID 2016 telah siap dipublikasi. Semoga segera kita bisa mendapatkan informasi terbitnya.

Wassalam,
Dr. Bebeh Wahid Nuryadin, M.Si

Jurusan Fisika
Fakultas Sains dan Teknologi
UIN Sunan Gunung Djati Bandung
Jl. A.H. Nasution 105, Bandung

Hp. +62-85294126412
bebehwahid102@uinsgd.ac.id
bebehwahid102@gmail.com

[Quoted text hidden]



bebeh wahid <bebehwahid102@gmail.com>

Your Special Issue Article has now been accepted for publication

1 message

Materials Research Express <onbehalfof+mrx+iop.org@manuscriptcentral.com>

Tue, Feb 14, 2017 at

11:53 PM

Reply-To: mrx@iop.org

To: bebehwahid102@uinsgd.ac.id, bebehwahid102@gmail.com, ririnurjanah93@gmail.com, Ea.cahya@uinsgd.ac.id, ade.yeti@uinsgd.ac.id

Dear Dr Nuryadin,

Re: "Synthesis and Characterization of Carbon Nanoparticle/PVA/ Chitosan for Security Ink Applications" by Nuryadin, Bebeh; Nurjanah, Ririn; Mahen, Ea; Nuryantini, Ade
Article reference: MRX-103382.R2

We are pleased to tell you that we have now formally accepted your Special Issue Article. We have everything we need to proceed to publish your Special Issue Article in Materials Research Express. Unless you opted out during the submission process, the accepted manuscript (<http://iopscience.iop.org/page/acceptedmanuscripts>) will be made available online within the next 24 hours. You will receive an email to confirm this, which will also include the permanent DOI to use to cite your work.

We will contact you again soon when proofs of your article are ready for final approval. Please return your article proofs by the date given to enable us to publish the final version of record as soon as possible.

All articles published by IOP Publishing are available online to readers at <http://iopscience.org/>. For more information, please contact our Customer Services department at custserv@iop.org. For advice on complying with US funder requirements, please go to <http://iopscience.iop.org/info/page/chorus>.

Thank you for choosing to publish in Materials Research Express. We look forward to publishing your Special Issue Article.

Yours sincerely

Georgia Perkins

On behalf of the IOP peer review team:

Editor - Philip Semple

Associate Editors - Andy Massey, Ian Stokes, Lucy Evans and Bethan Davies

Editorial Assistants - Georgia Perkins and Elin Morris

mrx@iop.org

Editor-in-Chief: Professor Meyya Meyyappan

Publisher: Ceri-Wyn Thomas

IOP Publishing

Temple Circus, Temple Way, Bristol, BS1 6HG, UK

www.iopscience.org/mrx

Letter reference: DRWA03



bebeh wahid <bebehwahid102@gmail.com>

Your submission to Mater. Res. Express: MRX-103382

1 message

Materials Research Express <onbehalfof+mrx+iop.org@manuscriptcentral.com>Mon, Nov 14, 2016 at
11:47 AM

Reply-To: mrx@iop.org

To: bebehwahid102@uinsgd.ac.id, bebehwahid102@gmail.com, ririnnurjanah93@gmail.com, Ea.cahya@uinsgd.ac.id, ade.yeti@uinsgd.ac.id

Dear Dr Nuryadin,

Re: "Synthesis and Characterization of Carbon Nanoparticle/PVA/ Chitosan for Security Ink Applications" by Nuryadin, Bebeh; Nurjanah, Ririn; Mahen, Ea; Nuryantini, Ade
Article reference: MRX-103382

Thank you for submitting your Special Issue Article, which will be considered for publication in Materials Research Express. The reference number for your article is MRX-103382. Please quote this number in all future correspondence regarding this manuscript.

As the submitting author, you can follow the progress of your article by checking your Author Centre after logging in to <https://mc04.manuscriptcentral.com/mrx-iop> Once you are signed in you will be able to track the progress of your article, read the referee reports and send us your electronic files.

This journal makes manuscripts available to readers on the journal website within 24 hours of acceptance. Please be aware that if you did not tick the relevant opt-out box on the submission form, the accepted version of your manuscript will be visible on the journal's website before it is proof-read and formatted to our house style.

If you are planning any press activity for your article, or are currently engaging in an IP or patent application, you may wish to opt-out of making your accepted manuscript immediately available online. If you do not wish to make the accepted version of your manuscript immediately visible to readers, and have not ticked the opt-out box during submission, please let us know as soon as possible.

Please do not hesitate to contact us if we can be of assistance to you.

Yours sincerely

On behalf of the IOP peer review team:

Editor - Philip Semple

Associate Editors - Andy Massey, Ian Stokes, Lucy Evans and Bethan Davies

Editorial Assistants - David Marquiss and Georgia Perkins

mrx@iop.org

Editor-in-Chief: Professor Meyya Meyyappan

Publisher: Ceri-Wyn Thomas

IOP Publishing

Temple Circus, Temple Way, Bristol, BS1 6HG, UK

www.iopscience.org/mrx

Letter reference: SAu05