



**SDI Review Form 1.6**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	Ms_PSIJ_27566
Title of the Manuscript:	<b>Chemical and Electrochemical Deposition of Ag onto Si for Fabrication of Si Nanowires and the Seebeck Effect Characterization</b>
Type of the Article	<b>Original Research Paper</b>

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b><u>Compulsory</u></b> REVISION comments	<p>A lot of issues are not clear from the available data.</p> <ol style="list-style-type: none"> <li>1. What are the average size and the areal density of the Ag nanoparticles after chemical deposition and electrodeposition, respectively? How does this affects the size and areal density of the Si nanowires?</li> <li>2. The SEM images are not clear enough to distinguish the nanowires. Thus the information on the diameter, length of the Si nanowires is missing, which should be important to their Seebeck coefficient.</li> <li>3. How large are the measurement errors of the Seebeck coefficient?</li> <li>4. How does the size and areal density of the Si nanowires influence the Seebeck coefficient?</li> </ol>	<ol style="list-style-type: none"> <li>1. The average size is shown by the SEM image.</li> <li>2. The reviewer is right that a cross section image may be shown. But early work has been well done to clarify this issue. A cross section image is not added because in earlier work performed by Zhang et al. (Nano Energy (2015) 13, 433–441) already address the morphology evolution clearly.</li> <li>3. As shown in the revised version, the voltage measurement error is 0.1 mV. The temperature measurement error is around 0.1 degree in Celsius.</li> <li>4. This is a good question to be answered. We take it as the topic for our future investigations.</li> </ol>
<b><u>Minor</u></b> REVISION comments	There are some typos in the manuscript.	We double checked the manuscript and made many corrections. A native English speaker helped us just make sure as much accurate as possible in the context presenting.
<b><u>Optional/General</u></b> comments		