



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	2014_PSIJ_13963
Title of the Manuscript:	THERMOELECTRIC PROPERTIES OF LEAD TELLURIDE FILLED IN SILICONE
Type of the Article	

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

	Reviewer's comment	Author's comment (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)
Compulsory REVISION comments	<ol style="list-style-type: none"> 1. The authors have explained why they studied Lead Telluride filled in silicone, but did not show the latest reports or investigations about this, this will help reader understand if this research has been done widely or not. 2. The authors have shown the thermoelectric properties of Lead Telluride filled in silicone, but they should compare these properties with pure Lead Telluride or other traditional thermoelectric materials. 3. The results and discussion is not adequate. 4. The authors did not concern other ratios of Lead Telluride filled and silicone. 5. The preparation method of mixed liquid should be described clearly. 6. The figures are not well presented, especially figure 1 which is not visible. 7. The meaning of sentence "When current is zero, the voltage is relatively high" in line 115 and 116 is misunderstanding. 	<ol style="list-style-type: none"> 1. This is for the first time the PbTe/Silicone composite made for thermoelectric energy conversion studies. 2. We cited the data of PbTe from literature and estimated the ZT value. Discussion is added to address this issue. 3. We provided more detailed discussions based on the data shown in Figures 5~9. Estimation of the ZT value is also added into the revised version. 4. The ratio of the PbTe to silicone is about 1:10. This information is added in the revised version. 5. We added more details about the experimental methods in the new version. 6. Revisions on the Figures are made. 7. In the revised version, we modified the expression to make the meaning clear to readers.
Minor REVISION comments	<ol style="list-style-type: none"> 1. Some spelling and typos errors 2. The units should be the same, such as grams and g in line 85. 3. The figures should appear in an order. 	<ol style="list-style-type: none"> 1. Extensive corrections are made to remove the typos and spelling errors. 2. We made the corrections according to the reviewer's suggestion. 3. Reorganizing the Figures is done to allow them in proper order.
Optional/General comments		