



**SDI Review Form 1.6**

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|--------------------------|----------------------------------------------------|
| Journal Name:            | <a href="#">American Chemical Science Journal</a>  |
| Manuscript Number:       | Ms_ACSJ_21362                                      |
| Title of the Manuscript: | CHEMISTRY OF THALLIUM-BASED TOPOLOGICAL INSULATORS |
| Type of the Article      | Review 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**

|                                     | <b>Reviewer's comment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Author's comment</b> (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)                        |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compulsory</b> REVISION comments | <p>I can recommend the paper "Chemistry of thallium - based topological insulator" for publication in American Chemical Science Journal .</p> <p>In this paper was study the chemistry of topological insulator on based thallium chalcogenides.</p> <p>In this paper was considered the structure , the phase diagram and electronic properties of this materials.</p> <p>I am recommending to include in the references the next publication:</p> <ol style="list-style-type: none"> <li>1. Kruchinin S.P. Physics of high-Tc superconductors . Review un Theoretical Physics 2 , 124-145, 2014</li> <li>2. Sugahara M., Kruchinin S.P. Controlled not gate based on a two-layer system of the fractional quantum Hall effect. Modern Physics Letters B , vol.15 , 473-477, 2001.</li> </ol> | <p>We are grateful to the reviewer.</p> <p>We added the article<br/> <b>Kruchinin S.P. Physics of high-Tc superconductors . Review in Theoretical Science. 2 , 124-145, 2014</b><br/> to the references</p> |
| <b>Minor</b> REVISION comments      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                             |
| <b>Optional/General</b> comments    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                             |