



SDI Review Form 1.6

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| Journal Name: | Physical Science International Journal |
| Manuscript Number: | 2014_PSIJ_14151 |
| Title of the Manuscript: | Determination of Optical Band Gap energy of wurtzite ZnO:Ce Nanocrystallites |
| Type of the Article | Original Research 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) |
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| <u>Compulsory</u> REVISION comments | <p>The authors' objective of this paper is to determine the band gap of claimed Ce-Doped ZnO. However most of the paper was focused on synthesis and characterization of the prepared materials. X ray did not show any Ce nor any mention of the molar ration of Ce in the sample.</p> <p>Regarding, the band gap (which is the major purpose of this article, very little is said about it. The claim that the authors said that Ce lower the band gap of ZnO is baseless, because all of the listed data are in the experimental error. The drop of 0.06 eV is not the amount that I can build conclusion about it. The authors mentioned nothing about the existence of direct or indirect band gap and the rule of Ce in its existence or lack of it.</p> <p>I suggest that the authors rewrite the article with careful consideration of the points I have mentioned above.</p> | <p>Revised the explanations with XRD and FTIR data's of undoped ZnO.</p> <p>The sample is a direct band gap material. The data's are modified.</p> |
| <u>Minor</u> REVISION comments | | |
| <u>Optional/General</u> comments | | |