



SDI Review Form 1.6

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)
Compulsory REVISION comments	The paper deals with determination of optical band gap energy of ZnO:Ce nanocrystallite that prepared by chemical precipitation route using 1 molar 9 solution of Zinc acetate solution and Sodium hydroxide solution at 60oC. From the XRD techniques the crystallite size of ZnO nanopowder was determined as13.83 nm at 150°C which increased to 16.13 nm at temperatures 180°C. From the absorption spectra optical band gap is determined as 3.32 eV. 24 It was found that energy band gap Eg decreases with doping of Ce. The analysis of optical properties 25 shows that ZnO:Ce is promising dielectric material and has potential application in optoelectronic devices . As a review comments the paper was written in a good manner and can publication after minor revision,	
Minor REVISION comments	Generally, the paper can publication after minor revision,	
Optional/General comments	If any Ethical issue there, please clarify us	

Reviewer Details:

Name:	Anonymous
Department, University & Country	Hot Labs. Centre, Egypt