

#### **SDI Review Form 1.6**

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_37435
Title of the Manuscript:	Multi-Phonon Raman Scattering in GaAs/Al0.28Ga0.72As Super-lattice
Type of the Article	

#### General guideline for Peer Review process:

This journal's peer review policy states that <u>NO</u> manuscript should be rejected only on the basis of '<u>lack of Novelty'</u>, 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 agree
		highlight that part in the man
<u>Compulsory</u> REVISION comments	<ul> <li>Abstract We think that the peak at 290 cm-1 may be caused by emission of a longitudinal optical phonon in GaAs/Al0.28Ga0.72As super-lattice, the peak at 584 cm-1 by emission of two ones, and the peak at 876 cm-1 by emission of three ones. Exclude assumption wordings such as we think as this is a scientific research paper and therefore the findings should be backed by scientific study. *There are attempts to explain the peak occurrence but not properly explained throughout the article. </li> <li>2. Sample preparation and experiment results</li> <li>Separate section above into subheading 2. Sample preparation &amp; Experimental method and use Subheading 3. For Experimental Results. Can refer to general guidelines. <a href="http://www.sciencedomain.org/page/general-guideline-for-authors#Type_of_papers">http://www.sciencedomain.org/page/general-guideline-for-authors#Type_of_papers</a> Experimental method only focuses on sample preparation and lacks info on type of device used and the specifications during the measurement</li></ul>	his/her feedback here)
Minor REVISION comments	<ul> <li>where M and m stands for the mass of a heavy and a light atom , respectively, D is force constant between neighboring atoms, Dlattice constant (symbol is missing)</li> <li>derived from binary material ones <sup>[5]</sup> .Reference style needs correction. Refer to author guidelines.</li> <li>(1) In consideration of the incident light with wavelength λv=782nm in vacuum and GaAs with refractivity n = 3.5. I believe that the label is to explain the peaks observed in the table. Proper writing method is required to label and further carryout discussion.</li> </ul>	
Optional/General comments		

### **Reviewer Details:**

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# ed with reviewer, correct the manuscript and nuscript. It is mandatory that authors should write