



SDI Review Form 1.6

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| Journal Name: | <u>Physical Science International Journal</u> |
| Manuscript Number: | Ms_PSIJ_37435 |
| Title of the Manuscript: | Multi-Phonon Raman Scattering in GaAs/Al_{0.28}Ga_{0.72}As Super-lattice |
| 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) |
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| Compulsory REVISION comments | <p>Ensenada, B. C., October 19, 2017. Physical Science International Journal RE: Ms_PSIJ_37435 Title: Multi-Phonon Raman Scattering in GaAs/Al_{0.28}Ga_{0.72}As Super-lattice</p> <p>The author's present Raman scattering measurements of GaAs/Al_{0.28}Ga_{0.72}As super-lattice by an incident light with the wave-vector perpendicular to super-lattice growth axis at room temperature. Several peaks in Raman Scattering were presented. The authors think that the peak at 290 cm⁻¹ may be caused by emission of longitudinal optical phonon in GaAs/Al_{0.28}Ga_{0.72}As 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. The multi-phonon Raman scattering may be resulted from the folded optical phonons in super-lattice.</p> <p>Reviewer: The article is very well written and provides excellent information which merits to be accepted for publication at Physical Science International Journal.</p> | <p>Thank you, reviewer, for your comment. I agree with reviewer's comment and have made some of corrections.</p> |
| Minor REVISION comments | <p>Before the article being accepted for publication some suggestions should be amended. The suggestions are the following: Page 2, row 3, Fig. 1 Vertical axis units? Page 2, row 10, equations for R_{A1} and R_{B2} should be enumerated consecutively. Page 2, row 22, □ lattice constant should be corrected to ? lattice constant. Page 3, rows 14, 17 and 21, Fig. 2 should be corrected to Fig. 2. Page 3, rows 35 and 37, equations should be enumerated. Page 4, row 4, Fig. 2 should be corrected to Fig. 2. Page 4, row 14, .Obviously, should be corrected to. Obviously. Page 6, row 7, Fig. 3 should be corrected to Fig. 3. Page 6, row 28, equation should be enumerated.</p> | |
| Optional/General comments | <p>Good article.</p> | |