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REVIEWER'S REPORT

Manuscript No.: **IJAR-56665**

Title: Optimization of Electron Affinity in In₂S₃ Buffer Layers for CIGS Solar Cells: A SILVACO ATLAS Simulation Study,

Recommendation:

- Accept as it is
- Accept after minor revision...√.....**
- Accept after major revision
- Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		√		
Techn. Quality		√		
Clarity			√	
Significance		√		

Reviewer Name: **Dr. Priti Gupta**

Detailed Reviewer's Report

Accept with MINOR Revisions.

- The manuscript addresses an important problem related to **band alignment optimization in CIGS solar cells**. However, the authors should more clearly highlight the **novel contribution of this work compared with previously reported simulation studies** on In₂S₃ buffer layers.
- · The manuscript contains several **grammatical and typographical errors** that should be corrected through careful proofreading.
- · · Some **figure captions are brief and could be expanded** to provide clearer explanations of the presented results.
- · · Units and symbols should be consistently formatted throughout the manuscript.
- · · Some equations and variables should be clearly defined when first introduced.
- · · The reference list should be checked to ensure **uniform formatting according to journal guidelines**.