

**Semiconductor Physics, Quantum Electronics and Optoelectronics**

MANUSCRIPT EVALUATION SHEET

**Title:** Characterization and optimization features of high-efficiency silicon solar cells with dominating surface recombination

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Article number:

Data of receiving the article:

Data of review:

The reviewers have to pay their main attention to:

- topicality of problems elucidated in the paper and how it complies with the journal directions;
- availability of comparative analysis between the development and world-level achievements;
- scientific value of the work in basic and applied developments.

<p><b>Topicality of the work</b></p> <p><input checked="" type="checkbox"/> The work is of high quality and relates to the actual direction</p> <p><input checked="" type="checkbox"/> The work presents new or original results in traditional fields and gives adequate interpretation</p> <p><input type="checkbox"/> The work has no principal new experimental or theoretical data</p> <p><input type="checkbox"/> The work has no new knowledge</p> <p><input type="checkbox"/> Other</p>	<p><b>Breadth of the scientific topic</b></p> <p><input type="checkbox"/> Interesting for wide circle of specialists working in the areas of natural science</p> <p><input checked="" type="checkbox"/> Interesting for wide circle of specialists working in adjacent scientific areas</p> <p><input type="checkbox"/> Interesting for wide circle of specialists working in narrow scientific areas</p> <p><input type="checkbox"/> Interesting only for specialists of narrow scientific areas</p> <p><input type="checkbox"/> Other</p>
<p><b>Ideological level of the work</b></p> <p><input checked="" type="checkbox"/> The work presents a development of original idea</p> <p><input type="checkbox"/> The work presents a development of actual known idea</p> <p><input type="checkbox"/> The work does not contain a scientific novelty</p> <p><input type="checkbox"/> Other</p>	<p><b>Experimental level of the work</b></p> <p><input checked="" type="checkbox"/> The work is of high quality and suggests entirely new experimental evidences</p> <p><input type="checkbox"/> The work is of enough quality</p> <p><input type="checkbox"/> The work is of not enough high quality and uses old methods or known data</p> <p><input type="checkbox"/> Other</p>

**Conclusion: General evaluation of the manuscript**

- ☒ The work is eligible for publication
- ☐ The work can be accepted with minimal modifications
- ☐ The work can be accepted in a shorten form
- ☐ The work can be accepted after major revision
- ☐ The work cannot be recommended for publication

Substantiation of expert conclusions, if necessary  
Reviewer, sign



Oleg Olikh, Dr. Hab, Prof.,  
Head of the General Physics Department  
Taras Shevchenko National University of Kyiv