To: Superlattices and Microstructures Editorial Board
Subject: Article Submit

Dear Editors,

Enclosed with this letter you will find en electronic submission of manuscript entitled "Relationship between the ideality factor and the iron concentration in silicon solar cells" by Oleg Olikh. This is an origin paper which has neither previously nor simultaneously in whole or in part been submitted anywhere else. No conflict of interest exits in the submission of this manuscript.

It is well known that impurities are crucial for the solar cells performance. There are many experimental methods for solving this problem, such as the infrared spectroscopy, deep level transient spectroscopy, photoluminescence, thermally stimulated capacitance and current, secondary ion mass spectrometry etc. These methods are complicated enough and demand a special setup. At the same time, the analysis of the current–voltage characteristic is commonly used to characterize the solar cell. The present manuscript describes a method of a contaminant concentration evaluation by using an ideality factor value, which extracted from current–voltage curve. The method are based on results of a numerical simulation of solar cells. I believe that such way of defect characterisation would be of interest to the journals readers.

I would very much appreciate if you would consider the manuscript for publication in the *Superlattices and Microstructures*.

Sincerely yours,
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