To: Journal of Applied Physics Editorial Board
Subject: Article Submit

Dear Editors,

Enclosed with this letter you will find en electronic submission of manuscript entitled "FeB transformations under ultrasound loading]Features of FeB pair light-induced dissociation and repair in silicon n^+-p-p^+ structures under ultrasound loading" by Oleg Olikh, Vitaliy Kostylyov, Victor Vlasiuk, Roman Korkishko, Yaroslav Olikh, and Roman Chupryna. This is an origin paper which has not simultaneously in whole or in part been submitted anywhere else. No conflict of interest exits in the submission of this manuscript.

Properties of semiconducting crystals and structures are known to be determined very much by their impurity compositions. Iron is an important impurity in silicon–based integrated circuit and solar cell technology and iron–related defects are often transformed during the operation of appropriate devices. The present manuscript focused on experimental investigation of the influence of ultrasound loading of silicon solar cell on dissociation and repair of iron-boron pairs. It has been observed that ultrasound leads to decrease in both the concentration of pairs, which were dissociated by light, and time of association. We believe that using ultrasound for defect engineering would be of interest to the journals readers.

We would very much appreciate if you would consider the manuscript for publication in the *Journal of Applied Physics*.

Sincerely yours,
Oleg Olikh and co-authors.
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