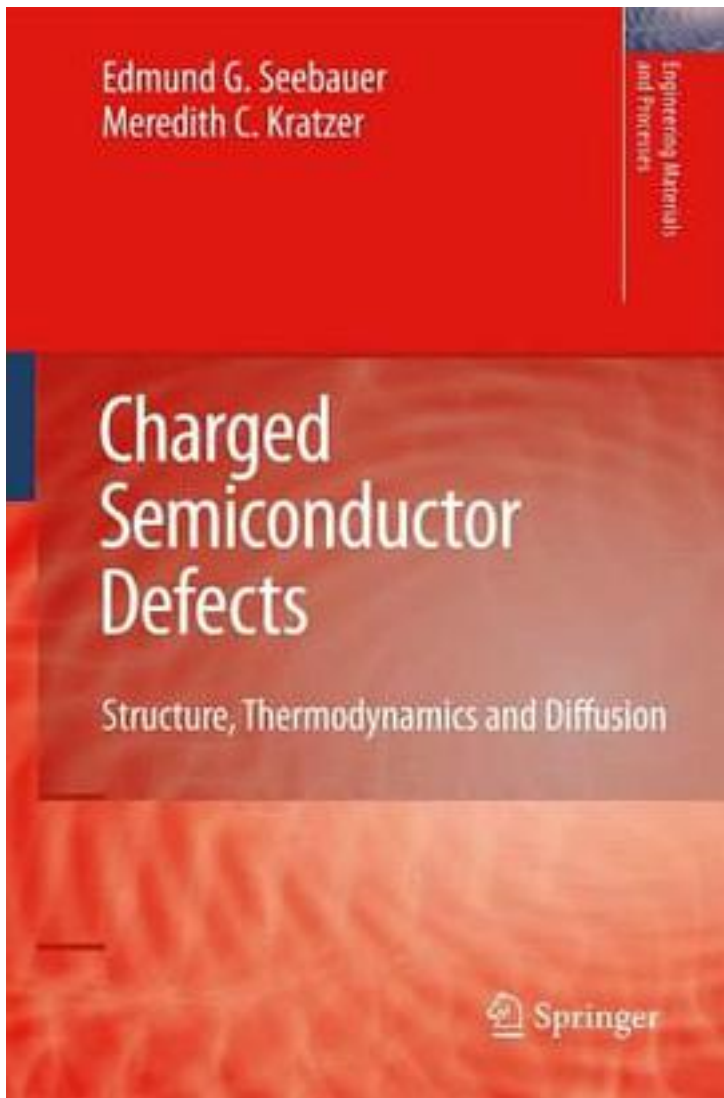


Charged Semiconductor Defects



[Charged Semiconductor Defects 下载链接1](#)

著者:Kratzer, Meredith C.

出版者:

出版时间:

装帧:

isbn:9781848820586

Defects in semiconductors have been studied for many years, in many cases with a view toward controlling their behaviour through various forms of a defect engineeringa . For example, in the bulk, charging significantly affects the total concentration of defects that are available to mediate phenomena such as solid-state diffusion. Surface defects play an important role in mediating surface mass transport during high temperature processing steps such as epitaxial film deposition, diffusional smoothing in reflow, and nanostructure formation in memory device fabrication. a

oeCharged Defects in Semiconductorsa details the current state of knowledge regarding the properties of the ionized defects that can affect the behaviour of advanced transistors, photo-active devices, catalysts, and sensors. Features: group IV, III-V, and oxide semiconductors; intrinsic and extrinsic defects; and, point defects, as well as defect pairs, complexes and clusters.

作者介绍:

目录:

[Charged Semiconductor Defects_ 下载链接1_](#)

标签

评论

[Charged Semiconductor Defects_ 下载链接1_](#)

书评

[Charged Semiconductor Defects_ 下载链接1_](#)