

Special Issue

Growth and Evaluation of Multicrystalline Silicon

Message from the Guest Editors

Multicrystalline silicon (mc-Si) is widely used for substrates of solar cells. It is well understood that there is an advantage in the production cost in a mc-Si ingot in comparison to a single crystal Si, although the quality of mc-Si ingot should be improved further. To realize a high energy conversion efficiency of mc-Si solar cells, the development of crystal growth technology is required. Furthermore, the fundamental understanding of crystal growth mechanism of mc-Si, mechanism of defects formation, and evaluation of mc-Si wafers are crucial. We invite investigators to submit papers which discuss the development of high quality multicrystalline Si for solar cells, including bulk ingots and thin films. The potential topics include:

- Crystal growth of mc-Si ingot
- Crystal growth of mc-Si thin films
- Crystal growth mechanisms of mc-Si
- Defects formation and their property in mc-Si
- Evaluation of mc-Si wafers
- Property of solar cells based on mc-Si
- Crystal growth of new materials based on Si

Guest Editors

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Deadline for manuscript submissions

closed (15 July 2018)



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About the Journal

Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

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