Special Issue

Crystalline Silicon for Solar Cells

Message from the Guest Editors

Crystalline silicon is used in most of the solar cells that are produced today and the demand is expected to grow fast due to the increased marked for solar cells. Important motivation for the research is to increase the material quality and yield, and to reduce the cost to make silicon- based solar cells even more competitive to fossil energy production. The potential topics include, but are not limited to: - Development of alternative silicon raw material - Recycling - Crystallisation of mono and multicrystalline silicon for solar cells - Characterisation of silicon for solar cells - Improving the performance of the material in solar cells through the value chain, including solar cell processing - Characterization of silicon and development of characterization methods - Process and material modelling

Guest Editors

Dr. Eivind Johannes Øvrelid
SINTEF Industry

Dr. Martin Bellmann
SINTEF Industry

Deadline for manuscript submissions

closed (30 December 2020)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/53490

Crystals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
crystals@mdpi.com

mdpi.com/journal/crystals

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/journal/crystals

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

Prof. Dr. Alessandra Toncelli
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Crystallography) / CiteScore - Q2 (Condensed Matter Physics)