Special Issue

Nanoelectronic Devices Based on 2D Materials

Message from the Guest Editor

In order to summarize the most intriguing achievements in 2D device research and identify possible strategies to move forward, we invite scientists to contribute to the Special Issue on “Nanoelectronic Devices Based on 2D Materials”. This issue is intended to serve as a unique multidisciplinary forum covering broad aspects of fabrication, characterization, and modeling of various devices based on 2D materials. The potential topics include but are not limited to:

- Advanced fabrication techniques of FETs and other devices with 2D materials;
- Comprehensive modeling and performance projection of 2D devices;
- Optoelectronic devices based on 2D materials;
- Steep-slope devices with 2D materials;
- Electronic synapses made of 2D materials;
- Scalable insulators for 2D FETs;
- Reliability and stability of 2D nanoelectronic devices.

Guest Editor

Dr. Yury Illarionov
Institute for Microelectronics (TU Wien) and Ioffe Institute

Deadline for manuscript submissions

closed (31 May 2021)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/56309

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

MDPI

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)