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Advanced Characterizations of Devices Based on Hybrid Organic-Inorganic Stacks

Guest Editors:

Prof. Dr. Aldo Di Carlo

Prof. Dr. Laurent Houssiau

Dr. Yan Busby

Dr. Giovanni Ligorio

Deadline for manuscript submissions:
closed (30 September 2020)

Message from the Guest Editors

Dear Colleagues,

The impressive progress of organic and hybrid electronics and photonics is driving exciting advances in a multitude of devices, such as memories, sensors, solar cells, and light emitting devices. The growing complexity of device architectures combining organic inorganic and intrinsically hybrid nanometer scale thin films brings many scientific and technological challenges. In particular, the physical and chemical characterizations of layers and interfaces in such sophisticated device stacks has pushed forward the instrumentations and analytical methodologies aimed for the rational optimization of materials and processing conditions. This Special Issue will be devoted to promoting studies focused on the application of advanced characterization methods to show the role of chemical gradients and interfaces in the performance and operation stability of hybrid molecular devices.

Dr. Yan Busby
Prof. Dr. Aldo Di Carlo
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Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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