Special Issue

Advances on Oxide Semiconductor Transistors and Related Materials

Message from the Guest Editor

The present Special Issue welcomes submissions on a multiplicity of topics related to the latest advances in oxide transistor science and technology, including, but not limited to: - n- and p-Type oxide semiconductors for transistors, including thin films as well as 1D and 2D nanostructures. - Transparent conductors for oxide transistors (e.g., based on oxides, metal nanostructures/meshes, or hybrid approaches). - Electrical insulators for oxide transistors, used as gate dielectrics, interlevel insulators, passivation, or others. - Substrates for the fabrication or transfer of oxide transistors. - Advances in vacuum-based and solution processing routes to fabricate the materials mentioned above. - New or enhanced oxide transistor architectures. - Charge transport, reliability and stability, including mechanical, electrical, optical, or other environmental stimuli. - Material and device models. - Applications of oxide transistors to electronic circuits, sensors, displays, or other fields.

Guest Editor

Prof. Dr. Pedro Barquinha

CENIMAT/I3N, Departamento de Ciência dos Materiais (DCM), and CEMOP/UNINOVA, NOVA School of Science and Technology (FCT NOVA), Universidade NOVA de Lisboa, 2829-516 Caparica, Portugal

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

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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