

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

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About the Journal

Message from the Editor-in-Chief

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.

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