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Materials for Nano- and Micro-Electro-Mechanical-Systems

Guest Editor:

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Message from the Guest Editor

This Special Issue aims to introduce materials and device design for "Nano- and Micro-Electro-Mechanical-Systems". Topics include, but are not limited to, the following:

- Graphene/graphene-like and TMD materials based field-effect-transistors (FET)-sensors;
- Nanoplasmonic/ Photo-electro-chemical sensors;
- Thin -Film-Transistor (TFT)-based flexible sensors;
- DNA probe-sensors;
- Terahertz Resonant-Tunneling Diodes for sensing/detection/energy harvesting/wireless applications;
- Electrical, mechanical and optical testing of nano/micro-devices: sensors, actuators and harvesters;
- Dynamic electrical characterization of nano/micro-devices;
- Electro-mechanical packaging of nano/micro-devices and their nano/micro-assembly.

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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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