Special Issue

Quasi Two-Dimensional Interfaces

Message from the Guest Editor

Recent attention has been drawn to two- and quasi- two dimensional materials. While graphene has drawn most of the initial attention, other 2-D materials exist, either in pure or complex forms. These structures are very sensitive to interactions with other material components, situated at their surface . This brings us to the role of an interface, its characteristics, and its related applications. An interface may be defined by the wavelength with which we interrogate it. For example, plasmonic interfaces may have an interaction length, which is larger than their physical dimensions. The focus of this Special Issue is on the role of an interface, as defined by the interrogating wavelength. Contributions are sought throughout all wavelength scales. Topics may include (but are not limited to):

- Metastructures and patterned plasmonic interfaces;
- Interfaces of nano-materials;
- Linear and nonlinear interrogation techniques (absorption, Raman, fluorescence, photo-luminescence, time-resolved spectroscopy, etc.);
- Imaging techniques that reveal the role of the interface.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2020)

Materials

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Impact Factor 3.2
CiteScore 6.4
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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.

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