

Special Issue

Recent Advances in Advanced Functional Materials for Architectures

Message from the Guest Editor

Advanced functional materials for architectures have garnered significant attention because a greater number of functional materials are now being extensively applied in buildings to endow architectures with various novel properties, including quantum dots, which are used in fluorescent solar concentrators in windows, and multifunctional film materials. With these properties, architectures can economize building energy consumption by controlling and utilizing solar irradiation, thus making our life better and more comfortable. This Special Issue plans to provide an overview of the most recent advances in the field of advanced functional materials for architectures. This Special Issue aims to provide selected contributions on advances in the synthesis, characterization, and applications of advanced functional materials for architectures. Potential topics include, but are not limited to, the following:

- Fluorescent solar concentrators in windows;
- Smart materials for windows;
- Solar cells for architectures;
- Energy-efficient glass;
- Self-cleaning glass;
- Multifunctional film materials;
- Role of advanced functional materials in buildings.

Guest Editor

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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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