Special Issue

Organic Electronics: Synthesis, Properties, and Applications

Message from the Guest Editor

Semiconductor technologies that drive electronic appliances and devices such as computers, tablets, TV displays, and cell phones have been evolving rapidly. The pursuit of lightweight, thinner, high-image-resolution, energy-saving displays and devices has encouraged scientists around the world to find new materials and combinations. In this respect, organic semiconductors have been extensively studied in the last two decades because of their low processing requirements, versatility, flexibility, and environment-friendly characteristics.

Today, OLED displays can be found everywhere—for example, in smartphones, TVs, smartwatches, monitors, cars, or digital cameras. However, as technology advances, the need for better OLED materials which help to improve energy efficiency and resolution of OLED displays is growing. Academic research has demonstrated many improvements regarding the efficiency of blue, red, green OLEDs using phosphorescent or thermally activated delayed (TADF) materials.

This Special Issue will be dedicated to all organic electronics and related materials. Full papers, communications, and reviews are all welcome.

Guest Editor

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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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