Special Issue

Functional Photoelectric Materials: Design, Synthesis and Application

Message from the Guest Editors

Energy is an important material foundation and driving force for the progress of human civilization. Today, functional photoelectric materials offer a wide range of potential applications in fields such as sensors, displays, energy devices, wearable devices, biomedical electronics, and more. However, the existing properties of materials and their device performance make it difficult to meet the growing practical application demands. This Special Issue aims to introduce the latest progress made in research on advanced photoelectric materials in the field of displays, energy devices, sensors and Artificial Intelligence (AI). Topics of interest include, but are not limited to, the following: design and synthesis of photoelectric materials, perovskite solar cells, LED, flexible sensors, displays, and biomedical detection. It is our pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews are all welcome.

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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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