Special Issue

Recent Advances in Photoelectric Functional Materials and Devices

Message from the Guest Editor

In recent decades, the need for the development of alternative energy conversion and storage systems has increased dramatically due to rapid global economic growth, environmental issues, and the depletion of fossil fuels. Light and electricity are two types of pollution-free clean energy that are being increasingly studied by scholars. The latest trends in photoelectric functional materials and device research include photoelectrocatalysis materials, solar cells, solar photocatalytic degradation, energy storage devices (batteries and electrochemical supercapacitors), and the study of these materials' synthesis, properties, and applications. For this Special Issue, we invite authors to submit research articles or reviews on the broad range of topics listed above.

Guest Editor

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Deadline for manuscript submissions

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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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