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## Advances of Photoelectric Functional Materials and Devices

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Deadline for manuscript submissions:

**closed (31 July 2024)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue of *Materials* is dedicated to photoelectric functional materials and devices in their various fields of application. With the development of the photo- and microelectronics industries, photoelectric functional materials and devices have increasingly been applied in sensors, batteries, solar cells, and transistors in recent years. For this Special Issue, we invite the submission of original research articles and reviews on any aspect of photoelectric functional materials and devices. This Special Issue aims to cover recent progress and new advances in photoelectric functional materials and devices, involving:

- Solar cells;
- Field-effect transistors;
- Light-emitting diodes;
- Photodetectors;
- Fluorescent sensors;
- Up-conversion luminescence;
- Flexible electronics.



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# Special Issue



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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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