Special Issue

Advances in Perovskite Oxide Optoelectronic Functional Materials

Message from the Guest Editors

It is our pleasure to announce a new Special Issue of *Materials* devoted to perovskite optoelectronic functional materials and devices. New materials, new structures, and new manufacturing tools have allowed novel high-performance electronic and optoelectronic devices. We expect that the continuous progress and cross-integration in these fields will continue to lead the development of optoelectronic theory and optoelectronic applications. This issue will aim to cover the following topics: Electronic, optical and structural properties of novel nanocrystals materials; Physics and applications of novel devices based on perovskite material; Device physics and applications (LEDs, solar cells, photodetectors); Physics and applications of II-IV and III-V compound semiconductors for optoelectronics; Advanced characterizations of optical and optoelectronic properties of semiconductors. The purpose of our Special Issue is to build a platform for scholars committed to, but not limited to, the above research fields to share and exchange scientific research.

Guest Editors

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Dr. Kai An

Prof. Dr. Zhigang Zang

Deadline for manuscript submissions

20 September 2025

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/214729

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mdpi.com/journal/materials

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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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