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Investigation of Optoelectronic Functional Crystals: Crystal Growth, Properties and Applications

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Deadline for manuscript submissions: closed (10 June 2023)

Message from the Guest Editors

Dear Colleagues,

Optoelectronic functional crystals have played a key role in advancing electronics and photonics. Their unique properties have enabled wide-ranging breakthroughs in the fields of optical modulation and waveguide, holographic storage and display, infrared and X-ray imaging, wavelength conversion and coherent optical amplification, optofluidic manipulation and interfacial science, photocatalytic degradation and photothermal conversion, etc. The present Special Issue aims to address both scientific and engineering developments related to the preparation, physico-chemical properties, and current and prospective applications of optoelectronic functional crystals. We strongly encourage the submission of novel interdisciplinary research, in which various techniques of materials engineering or artificial intelligence (AI) are involved.

Specialsue

Prof. Dr. Wenbo Yan Dr. Lihong Shi *Guest Editors*



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Message from the Editor-in-Chief

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