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Lanthanide-Doped Inorganic Luminescent Nanomaterials for Optoelectronic Applications

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Message from the Guest Editor

Dear Colleagues,

Lanthanide-doped inorganic luminescent nanomaterials have garnered significant attention in recent years due to their unique optical properties and potential application in various optoelectronic devices. These materials typically consist of a host matrix doped with lanthanide ions, which exhibit characteristic luminescence upon excitation. Lanthanide-doped inorganic luminescent nanomaterials employed in various fields, optoelectronics, biomedical imaging, sensing, lighting, and security. This Special Issue welcomes contributions from various scientific and engineering communities, and is particularly interest in studies on inorganic materials such as oxides, phosphates, or fluorides, which are doped with lanthanide ions.

This Special Issue aims to present recent advances in lanthanide-doped inorganic luminescent nanomaterials as a versatile class of materials with applicative potential in optoelectronic devices, driven by their unique optical properties and tunable luminescence. We welcome the submission of original research articles and reviews.

Dr. Lei Lei

Guest Editor











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Editor-in-Chief

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Message from the Editor-in-Chief

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