Special Issue

Phosphors: Synthesis, Properties, and Structures

Message from the Guest Editors

Phosphor materials have long been at the forefront of luminescence research due to their wide range of applications in lighting, displays, sensing, bioimaging, and radiation detection. With recent advances in material design, dopant engineering, and structural control, new opportunities have arisen for tailoring the optical properties of phosphors at the atomic and nanoscale levels. Exploring the relationships between synthesis methods, structural features, and resulting luminescence behavior is critical to unlocking the full potential of these materials.

This Special Issue aims to present recent progress in the field of synthesis, characterization, and application of phosphor materials. We welcome contributions that align with the journal's scope (including inorganic chemistry and materials science), particularly those that provide insight into how structural and compositional factors influence the photophysical properties of luminescent materials. By collecting high-quality original research and reviews, this Special Issue will offer a comprehensive view of current trends and future perspectives in the field.

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Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

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