

Special Issue

Design, Preparation and Application of Luminescent Materials

Message from the Guest Editors

Dear colleagues, Luminescent materials have attracted much attention due to their wide applications in solid state lighting, display technology, radiation imaging, sensors, optical information storage and other fields. With the development of science and technology, people have higher and higher requirements for the performance of luminous materials, which promote the design and synthesis of new luminous materials. Luminescent materials are prepared through various methods, including the sol-gel method, chemical vapor deposition, high-temperature solid-phase reactions, hydrothermal synthesis, etc. In recent years, there has been an emphasis on green chemistry and sustainable chemical synthesis methods that aim to reduce the use of harmful solvents, reduce energy consumption and increase the yield and purity of materials. With the continuous development of new materials and the application of new technologies, the performance of luminous materials will be further improved, and its application range will continue to expand. This Special Issue invites researchers to share their research results and jointly promote the development of luminous materials.

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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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