

Special Issue

Advances in Luminescent Materials

Message from the Guest Editor

Luminescence in inorganic materials arises from excitation from an external energy source and from biochemical and chemical changes or reactions. This Special Issue covers theoretical and experimental aspects of the luminescence phenomena in insulators, semiconductors, disordered, and amorphous materials. Luminescent materials have wide applications: Solid-state lighting, detectors, imaging analysis, display devices, such as field emission, plasma, and electroluminescent, biomarkers, medical diagnostics and photodynamic therapy, amplifiers, lasers, security labelling, and energy conversion. Luminescent centers, energy transfer and migration, excited state dynamics, collective phenomena, and spectroscopic methods and analyses are topic areas. The challenge to develop new compounds along with novel synthesis methods to form nano- to single-crystal compositions and methods to characterize the luminescence phenomena are included. Progress on phosphors, scintillators, up-conversion materials, sensor, and imaging materials are covered.

Guest Editor

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Message from the Editor-in-Chief

Ceramics (ISSN 2571-6131), an international, open access journal, provides an advanced forum for ceramics science and engineering. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We are committed to drive *Ceramics* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts. Your contribution should lead to the development of technical ceramics with better performances and to improve our quality of life.

Editor-in-Chief

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