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

Prof. Dr. Joanna McKittrick

Department of Mechanical and Aerospace Engineering and Materials Science and Engineering Program, University of California, San Diego, La Jolla, CA 92093-0411, USA

Deadline for manuscript submissions

closed (31 July 2019)

Ceramics

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 3.7

mdpi.com/si/23835

Ceramics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ceramics@mdpi.com

mdpi.com/journal/ceramics

Ceramics

an Open Access Journal by MDPI

Impact Factor 2.0
CiteScore 3.7

mdpi.com/journal/ceramics

About the Journal

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

Prof. Dr. Gilbert Fantozzi
INSA-Lyon, MATEIS Laboratory UMR CNRS 5510, 69621 Villeurbanne, France

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), and other databases.

Journal Rank:

JCR - Q2 (Materials Science, Ceramics) / CiteScore - Q2 (Materials Science (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.6 days after submission; acceptance to publication is undertaken in 3.7 days (median values for papers published in this journal in the first half of 2025).