

## Special Issue

# Synthesis, Characterization, and Degradation of Advanced Optical and Photo-Active Materials

### Message from the Guest Editors

This Special Issue seeks to highlight original research papers or review articles that report on the current state-of-the-art in synthesis and characterization of optical materials and the topics of light-matter interaction (i.e., photo catalyst materials), a critical subject of degradation and reliability of advanced optical and photoactive materials. Key unique features in this Special Issue are

- Optical properties of material systems;
- The (nano)materials aspects of optical phenomena;
- The materials aspects of devices and applications;
- Inter-relating optical materials ageing to the product failure;
- Investigating the integration of several stresses (thermal, moisture, light radiation, mechanical damage, and more) into the performance of a large-scale system;
- Multiscale/multiphysics simulation and experimental techniques of optical compounds in micro/optoelectronic devices (PCB, subassemblies);
- Reliability and failure in optoelectronic devices (light-emitting diodes or LED);
- Optical materials in OLEDs, in photoactive devices and in solar cells.

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### Guest Editors

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### Deadline for manuscript submissions

closed (10 November 2022)



## Materials

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## About the Journal

### 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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