



Materials for Luminescent Detectors and Transformers of Ionizing Radiation

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Message from the Guest Editors

Dear Colleagues,

We have the honour and pleasure to invite you to publish your latest results in a Special Issue "Materials for Luminescent Detectors and Transformers of Ionizing Radiation" of "Materials".

Significant achievements in recent years in the synthesis of new luminescence compounds in the different crystalline forms resulted in easy access of engineers and designers to these materials for creation of various detectors of ionizing radiation for application in the different branches of industry and science. These new materials offer solutions that can shift performance of respective devices to new levels and enabling completely new approaches to challenging problems, especially in the medical diagnostic.

This special issue of Material "Materials for Luminescent Detectors and Transformers of Ionizing Radiation" will be a forum for the presentation of the latest developments in basic and applied research in the field of radioluminescence, the processes of energy transfer and storage in solids, the physics and chemistry of luminescent phosphor and scintillation materials, and related with them applications.

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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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