Special Issue

Advances in Luminescent Engineered Nanomaterials

Message from the Guest Editor

Engineered nanomaterials are defined as purposely developed manufactured materials. Engineered nanomaterials have dimensions at the nanoscale and possess properties that are different than bulk materials with the same composition. Such nano-based materials have attracted significant attention due to their improved performance, such as emission of light via either down-conversion or up-conversion luminescent pathways, when excited by UV, visible or infrared light. It is my pleasure to invite you all to submit research articles, review papers and short communications focused on: fabrication of and development of synthesis strategies for luminescent engineered nanomaterials; characterization of new such nano-based materials; development of new applications for the abovementioned nanomaterials, as well as optimization of existing ones. Such applications include (but are not limited to): luminescent sensing (of ions, small-molecules, biomolecules, temperature, and pH, among others), application for light-emitting devices, bioimaging, light-based therapies and theranostics, photocatalysis, and photovoltaics.

Guest Editor

Prof. Dr. Luís Pinto Da Silva

Chemistry Research Unit (CIQUP), Institute of Molecular Sciences (IMS), Department of Geosciences, Environment and Spatial Plannings, Faculty of Sciences, University of Porto (FCUP), Rua do Campo Alegre s/n, 4169-007 Porto, Portugal

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

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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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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