



materials



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Advances in Luminescent Engineered Nanomaterials

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Deadline for manuscript
submissions:

closed (15 May 2021)

Message from the Guest Editor

Dear Colleagues,

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.



mdpi.com/si/30277

Special Issue



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Message from the Editor-in-Chief

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