

Special Issue

Towards Ideal Nanomaterials II

Message from the Guest Editor

Various nanostructures and nanoparticles are widely used in numerous applications, ranging from surface chemistry and photochemistry (catalysis, pyrolysis, photolysis) to electronics, photoelectronics and photovoltaics. Functional properties of the nanomaterials depend on a number of their physical and geometrical parameters, such as structure and phase state (amorphous/crystalline, solid/liquid), morphology, shape (particles, platelets, rods), average size and size distribution, spatial arrangement of nano-objects, etc. Determination of these parameters and linking them to functional properties pave the way towards fabricating nanomaterials with superb properties, i.e., ideal nanomaterials. The topic "Towards Ideal Nanomaterial" includes but is not restricted to studies and optimization of nanomaterial functional properties for: Photovoltaics; Optoelectronics; Photo- and electrocatalysis; Photo- and electrochemistry; Surface templating; Drug delivery.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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