

Special Issue

Synthesis and Application of Nanostructured Metal and Metal Oxides

Message from the Guest Editors

Nanomaterials have been at the forefront of countless technical developments in this era of cutting-edge technology. In particular, metal oxides and nanostructured metals have distinct size-tunable characteristics (e.g., optical, electronic, magnetic, catalytic, and mechanical properties). Additionally, the interactions with as well as effects on biological systems of metals and nanostructures based on metal oxides are also influenced by the pendant surface functions of these materials (e.g., nanotoxicity and drug delivery). We gladly encourage you to add to this Topic, named “Synthesis and Applications of Nanostructured Metals and Metal Oxides”, in light of the many characteristics and uses of metal- and metal-oxide-based nanomaterials. This Topic's main objective is to compile very current original and novel papers (original research, communications, or review articles) on, as well as advancements in, the synthesis and uses of metals and metal-oxide-based nanomaterials (e.g., noble metal nanoparticles, transition metals and metal oxides, and semiconductor inorganic nanocrystals).

Guest Editors

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Deadline for manuscript submissions

closed (25 February 2024)



Processes

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