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Oxide/Hydroxide-Based Materials and Their Application

Guest Editor:

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Message from the Guest Editor

Metal oxides and hydroxides display extremely versatile properties of conductivity, light absorption, fluorescence, chemiluminescence and permeability through microorganisms. which allow a large varietv of applications. The specific properties largely depend on the type of oxide or hydroxide, their peculiar structures and sizes. They can be arranged in nanoscopic and mesoscopic structures. nanoparticles. nanosheets. nanofoils. nanobelts, flower-like and grained-flower structures, foams, and needles. In addition, they can be used as pure, mixed or hybrid with organic materials, to create metalorganic frames or layered compounds. This Special Issue is devoted to any aspect of metal oxides and hydroxides that highlights their properties, improves their existing applications or points towards new ones. New types of syntheses or simpler, more environmentally friendly ones are the topic for this issue, in connection with their properties' variations. Papers on new tools and devices based on metal oxides and hydroxides as well as new configurations of existing ones are welcome.









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Message from the Editor-in-Chief

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