Special Issue

Nanoenzyme for Biomedical Applications

Message from the Guest Editor

Nanozymes, new artificial enzymes, have attracted attention in biomedical applications due to their low cost, high stability and variable, multienzyme-like properties. Recently, efforts have been devoted to developing nanozymes for diagnosis and therapy. In particular, nanozymes have often been designed with unique optical, electrical, magnetic, thermal and acoustic properties to synergize the multienzyme-like activities for enhanced theranostics, including anti-tumor abilities, anti-bacterial abilities, for orthopaedic diseases, and in tissue regenerative medicine, etc. Meanwhile, multifunctional and high-catalytic activity nanozymes have obtained by changing their size, structure, doping and so on. Based on great achievements in nanozymes research, we proposed a Special Issue that will focus on nanozyme-based theranostics, including, but not limited to, the design of nanozyme structures and the exploration of catalytic activity and applications. Therefore, we welcome your contributions to this Special Issue in the form of original research articles, short communications and reviews, focusing on nanozyme-based theranostics

Guest Editor

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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.

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